Dance move prediction using Multilayer Perceptron (MLP) - Approach 2

Summary:

- Average accuracy after 5 fold cross validation: 99.6% if using 28k parameters or 98.7% if using only 14k parameters
- Library used: Keras (TensorFlow)
- Dataset from individual dance move is segmented based on the highest data sample series among them and their corresponding label is chosen by mode. The segmented dataset is then reshaped into 3 dimensional array and flattened for MLP training
- No manual feature extraction - MLP trains and extracts features from unprocessed raw data
- **Average convergence time is around 25 times faster than CNN**</color>

In [1]:
```
import numpy as np
import pandas as pd
import os
import seaborn as sns
import matplotlib.pyplot as plt
import tensorflow as tf
import sklearn.neural_network as nn
import pickle
from glob import glob
from timeit import default_timer as timer
import sys
from GraphingAndTransfer.extractDataset import *
import scipy.stats as stats

from sklearn import preprocessing
from sklearn.preprocessing import MinMaxScaler
from sklearn.preprocessing import StandardScaler
from sklearn.model_selection import train_test_split, cross_val_score, KFold, StratifiedKF
from sklearn.neighbors import KNeighborsClassifier as knn
from sklearn.metrics import accuracy_score, classification_report
from sklearn.decomposition import PCA
from sklearn.linear_model import LogisticRegression
from tune_sklearn import TuneGridSearchCV

from keras.utils import np_utils,to_categorical
from keras.optimizers import RMSprop, Adam
from keras.models import Sequential
from keras.layers import Flatten, Dense, Dropout, BatchNormalization, Conv1D, Conv2D, MaxP
from keras.callbacks import ReduceLROnPlateau, ModelCheckpoint, EarlyStopping
from keras import optimizers

from sklearn.metrics import confusion_matrix
from mlxtend.plotting import plot_confusion_matrix
# plt.style.use('bmh')

file_path = "GraphingAndTransfer/processed/*"

pd.set_option("display.max_rows", None, "display.max_columns", None)
np.set_printoptions(threshold=10000) # 'sys.maxsize' for max
```

Define segmentation window

In [2]:
```
NUMBER_OF_AFTER_SAMPLES = 8 #Number of samples to include in dance move after end detected
NUMBER_OF_BEFORE_SAMPLES = 8 #Number of samples to include in dance move before start dete
```

```
MINIMUM_MOVE_TIME = 20 #Minimum number of samples to be considered a move. Set this too lo
```

In [3]:
```
danceMoveDataset = processData(NUMBER_OF_AFTER_SAMPLES, NUMBER_OF_BEFORE_SAMPLES, MINIMUM_
```

```
Recording from dev2 with move pointhigh at 16152387977925 opened with 685 samples
Recording from dev2 with move hair at 16152385941495 opened with 898 samples
Recording from dev2 with move dab at 16152380133389 opened with 786 samples
Recording from dev2 with move pointhigh at 16152388450418 opened with 188 samples
Recording from dev2 with move listen at 16152386837158 opened with 703 samples
Recording from dev2 with move gun at 16152384604594 opened with 903 samples
Recording from dev2 with move elbowkick at 16152382981181 opened with 1498 samples
Recording from dev2 with move sidepump at 16152389923805 opened with 754 samples
Recording from dev2 with move wipetable at 16152391069694 opened with 881 samples
Done
Extracted 87 moves from 9 raw data Sequences.
10  dab
10  elbowkick
12  gun
11  hair
12  listen
11  pointhigh
10  sidepump
11  wipetable
0  defaultMove
```

Visualise each move sample in the segmentation window defined above

In [4]:
```
for i in range (1, len(danceMoveDataset)):
    danceMoveDataset[i].plot()
```

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```

Number of series of samples in each move, based on the segmentation window defined above.

In [5]:

```
folder_path = "GraphingAndTransfer/processed/"
noOfSamples = []
for text_file in sorted(os.listdir(folder_path)):
    print("Processing:", text_file)

    with open(folder_path+text_file, 'r') as f:
        file = f.readlines()[1:]
    print("Number of series of samples in this move =", np.asarray(file).shape[0], "\n")
```

```
    noOfSamples.append(np.asarray(file).shape[0])
```

```
Processing: dev2_dab_16152380133389_19
Number of series of samples in this move = 38

Processing: dev2_dab_16152380133389_20
Number of series of samples in this move = 41

Processing: dev2_dab_16152380133389_21
Number of series of samples in this move = 47

Processing: dev2_dab_16152380133389_22
Number of series of samples in this move = 53

Processing: dev2_dab_16152380133389_23
Number of series of samples in this move = 52

Processing: dev2_dab_16152380133389_24
Number of series of samples in this move = 50

Processing: dev2_dab_16152380133389_25
Number of series of samples in this move = 37

Processing: dev2_dab_16152380133389_26
Number of series of samples in this move = 48

Processing: dev2_dab_16152380133389_27
Number of series of samples in this move = 53

Processing: dev2_dab_16152380133389_28
Number of series of samples in this move = 52

Processing: dev2_dab_16152380133389_29
Number of series of samples in this move = 44

Processing: dev2_elbowkick_16152382981181_56
Number of series of samples in this move = 37

Processing: dev2_elbowkick_16152382981181_57
Number of series of samples in this move = 37

Processing: dev2_elbowkick_16152382981181_58
Number of series of samples in this move = 40

Processing: dev2_elbowkick_16152382981181_59
Number of series of samples in this move = 37

Processing: dev2_elbowkick_16152382981181_60
Number of series of samples in this move = 36

Processing: dev2_elbowkick_16152382981181_61
Number of series of samples in this move = 36

Processing: dev2_elbowkick_16152382981181_62
Number of series of samples in this move = 38

Processing: dev2_elbowkick_16152382981181_63
Number of series of samples in this move = 38

Processing: dev2_elbowkick_16152382981181_64
Number of series of samples in this move = 36

Processing: dev2_elbowkick_16152382981181_65
Number of series of samples in this move = 38

Processing: dev2_gun_16152384604594_42
Number of series of samples in this move = 38

Processing: dev2_gun_16152384604594_43
```

```
Number of series of samples in this move = 39

Processing: dev2_gun_16152384604594_44
Number of series of samples in this move = 40

Processing: dev2_gun_16152384604594_45
Number of series of samples in this move = 41

Processing: dev2_gun_16152384604594_46
Number of series of samples in this move = 40

Processing: dev2_gun_16152384604594_47
Number of series of samples in this move = 40

Processing: dev2_gun_16152384604594_48
Number of series of samples in this move = 39

Processing: dev2_gun_16152384604594_49
Number of series of samples in this move = 42

Processing: dev2_gun_16152384604594_50
Number of series of samples in this move = 42

Processing: dev2_gun_16152384604594_51
Number of series of samples in this move = 37

Processing: dev2_gun_16152384604594_52
Number of series of samples in this move = 36

Processing: dev2_gun_16152384604594_53
Number of series of samples in this move = 39

Processing: dev2_gun_16152384604594_54
Number of series of samples in this move = 42

Processing: dev2_gun_16152384604594_55
Number of series of samples in this move = 37

Processing: dev2_hair_16152385941495_10
Number of series of samples in this move = 52

Processing: dev2_hair_16152385941495_11
Number of series of samples in this move = 49

Processing: dev2_hair_16152385941495_12
Number of series of samples in this move = 57

Processing: dev2_hair_16152385941495_13
Number of series of samples in this move = 53

Processing: dev2_hair_16152385941495_14
Number of series of samples in this move = 54

Processing: dev2_hair_16152385941495_15
Number of series of samples in this move = 54

Processing: dev2_hair_16152385941495_16
Number of series of samples in this move = 57

Processing: dev2_hair_16152385941495_17
Number of series of samples in this move = 58

Processing: dev2_hair_16152385941495_18
Number of series of samples in this move = 63

Processing: dev2_hair_16152385941495_19
Number of series of samples in this move = 58

Processing: dev2_hair_16152385941495_9
Number of series of samples in this move = 39
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```
Processing: dev2_listen_16152386837158_30
Number of series of samples in this move = 40

Processing: dev2_listen_16152386837158_31
Number of series of samples in this move = 39

Processing: dev2_listen_16152386837158_32
Number of series of samples in this move = 43

Processing: dev2_listen_16152386837158_33
Number of series of samples in this move = 42

Processing: dev2_listen_16152386837158_34
Number of series of samples in this move = 48

Processing: dev2_listen_16152386837158_35
Number of series of samples in this move = 47

Processing: dev2_listen_16152386837158_36
Number of series of samples in this move = 48

Processing: dev2_listen_16152386837158_37
Number of series of samples in this move = 47

Processing: dev2_listen_16152386837158_38
Number of series of samples in this move = 43

Processing: dev2_listen_16152386837158_39
Number of series of samples in this move = 50

Processing: dev2_listen_16152386837158_40
Number of series of samples in this move = 50

Processing: dev2_listen_16152386837158_41
Number of series of samples in this move = 45

Processing: dev2_listen_16152386837158_42
Number of series of samples in this move = 46

Processing: dev2_listen_16152386837158_43
Number of series of samples in this move = 45

Processing: dev2_pointhigh_16152387977925_0
Number of series of samples in this move = 45

Processing: dev2_pointhigh_16152387977925_1
Number of series of samples in this move = 49

Processing: dev2_pointhigh_16152387977925_2
Number of series of samples in this move = 59

Processing: dev2_pointhigh_16152387977925_3
Number of series of samples in this move = 53

Processing: dev2_pointhigh_16152387977925_4
Number of series of samples in this move = 66

Processing: dev2_pointhigh_16152387977925_5
Number of series of samples in this move = 71

Processing: dev2_pointhigh_16152387977925_6
Number of series of samples in this move = 67

Processing: dev2_pointhigh_16152387977925_7
Number of series of samples in this move = 57

Processing: dev2_pointhigh_16152387977925_8
Number of series of samples in this move = 53
```

```
Processing: dev2_pointhigh_16152388450418_28
Number of series of samples in this move = 54

Processing: dev2_pointhigh_16152388450418_29
Number of series of samples in this move = 44

Processing: dev2_pointhigh_16152388450418_30
Number of series of samples in this move = 57

Processing: dev2_pointhigh_16152388450418_31
Number of series of samples in this move = 47

Processing: dev2_sidepump_16152389923805_46
Number of series of samples in this move = 43

Processing: dev2_sidepump_16152389923805_47
Number of series of samples in this move = 40

Processing: dev2_sidepump_16152389923805_48
Number of series of samples in this move = 42

Processing: dev2_sidepump_16152389923805_49
Number of series of samples in this move = 39

Processing: dev2_sidepump_16152389923805_50
Number of series of samples in this move = 42

Processing: dev2_sidepump_16152389923805_51
Number of series of samples in this move = 45

Processing: dev2_sidepump_16152389923805_52
Number of series of samples in this move = 51

Processing: dev2_sidepump_16152389923805_66
Number of series of samples in this move = 37

Processing: dev2_sidepump_16152389923805_67
Number of series of samples in this move = 38

Processing: dev2_sidepump_16152389923805_68
Number of series of samples in this move = 40

Processing: dev2_sidepump_16152389923805_69
Number of series of samples in this move = 46

Processing: dev2_sidepump_16152389923805_70
Number of series of samples in this move = 43

Processing: dev2_sidepump_16152389923805_71
Number of series of samples in this move = 45

Processing: dev2_sidepump_16152389923805_72
Number of series of samples in this move = 42

Processing: dev2_sidepump_16152389923805_73
Number of series of samples in this move = 45

Processing: dev2_sidepump_16152389923805_74
Number of series of samples in this move = 48

Processing: dev2_sidepump_16152389923805_75
Number of series of samples in this move = 54

Processing: dev2_wipetable_16152391069694_53
Number of series of samples in this move = 55

Processing: dev2_wipetable_16152391069694_54
Number of series of samples in this move = 47

Processing: dev2_wipetable_16152391069694_55
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```
Number of series of samples in this move = 50

Processing: dev2_wipetable_16152391069694_56
Number of series of samples in this move = 58

Processing: dev2_wipetable_16152391069694_57
Number of series of samples in this move = 59

Processing: dev2_wipetable_16152391069694_58
Number of series of samples in this move = 60

Processing: dev2_wipetable_16152391069694_59
Number of series of samples in this move = 58

Processing: dev2_wipetable_16152391069694_60
Number of series of samples in this move = 53

Processing: dev2_wipetable_16152391069694_61
Number of series of samples in this move = 59

Processing: dev2_wipetable_16152391069694_62
Number of series of samples in this move = 64

Processing: dev2_wipetable_16152391069694_63
Number of series of samples in this move = 63

Processing: dev2_wipetable_16152391069694_76
Number of series of samples in this move = 58

Processing: dev2_wipetable_16152391069694_77
Number of series of samples in this move = 50

Processing: dev2_wipetable_16152391069694_78
Number of series of samples in this move = 53

Processing: dev2_wipetable_16152391069694_79
Number of series of samples in this move = 61

Processing: dev2_wipetable_16152391069694_80
Number of series of samples in this move = 62

Processing: dev2_wipetable_16152391069694_81
Number of series of samples in this move = 63

Processing: dev2_wipetable_16152391069694_82
Number of series of samples in this move = 61

Processing: dev2_wipetable_16152391069694_83
Number of series of samples in this move = 56

Processing: dev2_wipetable_16152391069694_84
Number of series of samples in this move = 62

Processing: dev2_wipetable_16152391069694_85
Number of series of samples in this move = 67

Processing: dev2_wipetable_16152391069694_86
Number of series of samples in this move = 66
```

Find the minimum and maximum number of samples in all captured moves

In [6]:

```
min_n_samples = min(noOfSamples)
max_n_samples = max(noOfSamples)
print("Minimum: {} \nMaximum: {}" .format(min_n_samples, max_n_samples))
```

```
Minimum: 36
Maximum: 71
```

Selecting only the first 36 series of samples in each move and append in to a dataframe in order

In [7]:
```
columns = ['acc_X','acc_Y','acc_Z','gyro_X','gyro_Y','gyro_Z','Stage', 'Activity']
combined_raw = pd.DataFrame(columns = columns)
```

In [8]:
```
folder_path = "GraphingAndTransfer/processed/"
for text_file in sorted(os.listdir(folder_path)):
    print("Processing:", text_file)

    with open(folder_path+text_file, 'r') as f:
        file = f.readlines()[1:]

    temp_list = []

    for line in file:
        temp_list.append([float(value) for value in line.split(',')])

    print("Shape =", np.asarray(temp_list).shape, "\n")

    # file_path_name = os.path.splitext(text_file)[0]
    # activity_labels = file_path_name.split('_')[1]

    activity_labels = text_file.split('_')[1]

    raw_data = np.array(temp_list)

    df_raw = pd.DataFrame(data = raw_data, columns = ['acc_X','acc_Y','acc_Z','gyro_X','gy
    df_raw['Activity'] = activity_labels
    combined_raw = combined_raw.append(df_raw)

combined_raw.reset_index(drop=True, inplace=True)
```

```
Processing: dev2_dab_16152380133389_19
Shape = (38, 7)

Processing: dev2_dab_16152380133389_20
Shape = (41, 7)

Processing: dev2_dab_16152380133389_21
Shape = (47, 7)

Processing: dev2_dab_16152380133389_22
Shape = (53, 7)

Processing: dev2_dab_16152380133389_23
Shape = (52, 7)

Processing: dev2_dab_16152380133389_24
Shape = (50, 7)

Processing: dev2_dab_16152380133389_25
Shape = (37, 7)

Processing: dev2_dab_16152380133389_26
Shape = (48, 7)

Processing: dev2_dab_16152380133389_27
Shape = (53, 7)

Processing: dev2_dab_16152380133389_28
Shape = (52, 7)

Processing: dev2_dab_16152380133389_29
Shape = (44, 7)

Processing: dev2_elbowkick_16152382981181_56
```

```
Shape = (37, 7)

Processing: dev2_elbowkick_16152382981181_57
Shape = (37, 7)

Processing: dev2_elbowkick_16152382981181_58
Shape = (40, 7)

Processing: dev2_elbowkick_16152382981181_59
Shape = (37, 7)

Processing: dev2_elbowkick_16152382981181_60
Shape = (36, 7)

Processing: dev2_elbowkick_16152382981181_61
Shape = (36, 7)

Processing: dev2_elbowkick_16152382981181_62
Shape = (38, 7)

Processing: dev2_elbowkick_16152382981181_63
Shape = (38, 7)

Processing: dev2_elbowkick_16152382981181_64
Shape = (36, 7)

Processing: dev2_elbowkick_16152382981181_65
Shape = (38, 7)

Processing: dev2_gun_16152384604594_42
Shape = (38, 7)

Processing: dev2_gun_16152384604594_43
Shape = (39, 7)

Processing: dev2_gun_16152384604594_44
Shape = (40, 7)

Processing: dev2_gun_16152384604594_45
Shape = (41, 7)

Processing: dev2_gun_16152384604594_46
Shape = (40, 7)

Processing: dev2_gun_16152384604594_47
Shape = (40, 7)

Processing: dev2_gun_16152384604594_48
Shape = (39, 7)

Processing: dev2_gun_16152384604594_49
Shape = (42, 7)

Processing: dev2_gun_16152384604594_50
Shape = (42, 7)

Processing: dev2_gun_16152384604594_51
Shape = (37, 7)

Processing: dev2_gun_16152384604594_52
Shape = (36, 7)

Processing: dev2_gun_16152384604594_53
Shape = (39, 7)

Processing: dev2_gun_16152384604594_54
Shape = (42, 7)

Processing: dev2_gun_16152384604594_55
Shape = (37, 7)
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```
Processing: dev2_hair_16152385941495_10
Shape = (52, 7)

Processing: dev2_hair_16152385941495_11
Shape = (49, 7)

Processing: dev2_hair_16152385941495_12
Shape = (57, 7)

Processing: dev2_hair_16152385941495_13
Shape = (53, 7)

Processing: dev2_hair_16152385941495_14
Shape = (54, 7)

Processing: dev2_hair_16152385941495_15
Shape = (54, 7)

Processing: dev2_hair_16152385941495_16
Shape = (57, 7)

Processing: dev2_hair_16152385941495_17
Shape = (58, 7)

Processing: dev2_hair_16152385941495_18
Shape = (63, 7)

Processing: dev2_hair_16152385941495_19
Shape = (58, 7)

Processing: dev2_hair_16152385941495_9
Shape = (39, 7)

Processing: dev2_listen_16152386837158_30
Shape = (40, 7)

Processing: dev2_listen_16152386837158_31
Shape = (39, 7)

Processing: dev2_listen_16152386837158_32
Shape = (43, 7)

Processing: dev2_listen_16152386837158_33
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Processing: dev2_listen_16152386837158_34
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Processing: dev2_listen_16152386837158_35
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Processing: dev2_listen_16152386837158_36
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Processing: dev2_listen_16152386837158_37
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Processing: dev2_listen_16152386837158_38
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Processing: dev2_listen_16152386837158_39
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Processing: dev2_listen_16152386837158_40
Shape = (50, 7)

Processing: dev2_listen_16152386837158_41
Shape = (45, 7)
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Processing: dev2_listen_16152386837158_42
Shape = (46, 7)

Processing: dev2_listen_16152386837158_43
Shape = (45, 7)

Processing: dev2_pointhigh_16152387977925_0
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Processing: dev2_pointhigh_16152387977925_1
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Processing: dev2_pointhigh_16152387977925_2
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Processing: dev2_pointhigh_16152387977925_3
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Processing: dev2_pointhigh_16152387977925_4
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Processing: dev2_pointhigh_16152387977925_5
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Processing: dev2_pointhigh_16152387977925_6
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Processing: dev2_pointhigh_16152387977925_7
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Processing: dev2_pointhigh_16152387977925_8
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Processing: dev2_pointhigh_16152388450418_28
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Processing: dev2_pointhigh_16152388450418_29
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Processing: dev2_pointhigh_16152388450418_30
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Processing: dev2_pointhigh_16152388450418_31
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Processing: dev2_sidepump_16152389923805_46
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Processing: dev2_sidepump_16152389923805_48
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Processing: dev2_sidepump_16152389923805_49
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Processing: dev2_sidepump_16152389923805_50
Shape = (42, 7)

Processing: dev2_sidepump_16152389923805_51
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Processing: dev2_sidepump_16152389923805_52
Shape = (51, 7)

Processing: dev2_sidepump_16152389923805_66
Shape = (37, 7)

Processing: dev2_sidepump_16152389923805_67
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Shape = (38, 7)

Processing: dev2_sidepump_16152389923805_68
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Processing: dev2_sidepump_16152389923805_69
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Processing: dev2_sidepump_16152389923805_70
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Processing: dev2_sidepump_16152389923805_71
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Processing: dev2_sidepump_16152389923805_72
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Processing: dev2_sidepump_16152389923805_75
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Processing: dev2_wipetable_16152391069694_53
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Processing: dev2_wipetable_16152391069694_56
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Processing: dev2_wipetable_16152391069694_57
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Processing: dev2_wipetable_16152391069694_58
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Processing: dev2_wipetable_16152391069694_59
Shape = (58, 7)

Processing: dev2_wipetable_16152391069694_60
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Processing: dev2_wipetable_16152391069694_61
Shape = (59, 7)

Processing: dev2_wipetable_16152391069694_62
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Processing: dev2_wipetable_16152391069694_63
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Processing: dev2_wipetable_16152391069694_76
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Processing: dev2_wipetable_16152391069694_77
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Processing: dev2_wipetable_16152391069694_78
Shape = (53, 7)

Processing: dev2_wipetable_16152391069694_79
Shape = (61, 7)
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Processing: dev2_wipetable_16152391069694_80
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Processing: dev2_wipetable_16152391069694_81
Shape = (63, 7)

Processing: dev2_wipetable_16152391069694_82
Shape = (61, 7)

Processing: dev2_wipetable_16152391069694_83
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Processing: dev2_wipetable_16152391069694_84
Shape = (62, 7)

Processing: dev2_wipetable_16152391069694_85
Shape = (67, 7)

Processing: dev2_wipetable_16152391069694_86
Shape = (66, 7)
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In [9]:

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combined_raw
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Out[9]:

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
0	0.347305	-0.299063	-0.941626	-1.953125	-1.953125	0.000000	1.0	dab
1	0.352133	-0.304438	-0.939976	0.000000	0.000000	0.000000	1.0	dab
2	0.355030	-0.313913	-0.938985	0.000000	1.953125	-1.953125	1.0	dab
3	0.356768	-0.319598	-0.944641	1.953125	0.000000	-1.953125	1.0	dab
4	0.351561	-0.323009	-0.941785	3.906250	-1.953125	0.000000	1.0	dab
5	0.348436	-0.325055	-0.940071	5.859375	-1.953125	0.000000	1.0	dab
6	0.352812	-0.351283	-0.939043	7.812500	0.000000	0.000000	1.0	dab
7	0.361687	-0.485770	-0.982176	27.343750	3.906250	-1.953125	1.0	dab
8	0.292012	-0.872712	-1.133055	117.187500	-7.812500	-33.203125	2.0	dab
9	0.175207	-1.136127	-1.479833	248.046875	-146.484375	-115.234375	2.0	dab
10	0.605124	-0.512926	-1.637900	248.046875	-140.625000	-250.000000	2.0	dab
11	1.156825	-0.026506	-1.463990	-250.000000	248.046875	-250.000000	2.0	dab
12	0.825345	-0.440903	-1.678394	-250.000000	248.046875	-250.000000	2.0	dab
13	0.563957	-1.064542	-1.007036	-208.984375	48.828125	-105.468750	2.0	dab
14	0.494624	-0.688725	-0.266722	50.781250	27.343750	-31.250000	2.0	dab
15	0.503024	-0.531985	0.177467	-1.953125	-3.906250	-7.812500	2.0	dab
16	0.508065	-0.387941	0.437730	11.718750	1.953125	-7.812500	2.0	dab
17	0.554839	-0.351515	0.593888	-3.906250	1.953125	-15.625000	2.0	dab
18	0.551653	-0.317159	0.681333	-13.671875	-13.671875	7.812500	2.0	dab
19	0.537242	-0.296545	0.733800	-11.718750	-7.812500	17.578125	2.0	dab
20	0.472345	-0.252927	0.721530	-27.343750	-7.812500	80.078125	2.0	dab
21	0.345907	-0.308006	0.676668	-13.671875	-11.718750	187.500000	2.0	dab
22	0.163794	-0.441054	0.556001	-7.812500	-156.250000	152.343750	2.0	dab
23	0.079527	-0.420882	0.296100	-33.203125	-250.000000	85.937500	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
24	0.128966	-0.283779	0.002660	-130.859375	-250.000000	66.406250	2.0	dab
25	0.383630	-0.457768	-0.485904	-218.750000	-242.187500	21.484375	2.0	dab
26	0.467678	-0.724661	-0.954042	-250.000000	-146.484375	91.796875	2.0	dab
27	0.455607	-0.747296	-1.172425	-107.421875	-33.203125	-164.062500	2.0	dab
28	0.598364	-0.642128	-1.215955	13.671875	25.390625	-11.718750	2.0	dab
29	0.471518	-0.429027	-1.117073	39.062500	23.437500	1.953125	2.0	dab
30	0.370411	-0.376166	-1.026494	1.953125	21.484375	-25.390625	2.0	dab
31	0.334747	-0.344450	-1.003396	3.906250	9.765625	-11.718750	2.0	dab
32	0.332098	-0.312920	-0.977038	7.812500	-19.531250	-5.859375	2.0	dab
33	0.349259	-0.300252	-0.961223	0.000000	-9.765625	-3.906250	0.0	dab
34	0.353305	-0.292651	-0.964234	0.000000	-1.953125	1.953125	0.0	dab
35	0.349483	-0.288091	-0.953540	0.000000	-3.906250	-1.953125	0.0	dab
36	0.353440	-0.285354	-0.953374	0.000000	-1.953125	1.953125	0.0	dab
37	0.355814	-0.289963	-0.953274	-1.953125	-1.953125	-1.953125	0.0	dab
38	0.347305	-0.299063	-0.941626	-1.953125	-1.953125	0.000000	1.0	dab
39	0.352133	-0.304438	-0.939976	0.000000	0.000000	0.000000	1.0	dab
40	0.355030	-0.313913	-0.938985	0.000000	1.953125	-1.953125	1.0	dab
41	0.356768	-0.319598	-0.944641	1.953125	0.000000	-1.953125	1.0	dab
42	0.351561	-0.323009	-0.941785	3.906250	-1.953125	0.000000	1.0	dab
43	0.348436	-0.325055	-0.940071	5.859375	-1.953125	0.000000	1.0	dab
44	0.352812	-0.351283	-0.939043	7.812500	0.000000	0.000000	1.0	dab
45	0.361687	-0.485770	-0.982176	27.343750	3.906250	-1.953125	1.0	dab
46	0.292012	-0.872712	-1.133055	117.187500	-7.812500	-33.203125	2.0	dab
47	0.175207	-1.136127	-1.479833	248.046875	-146.484375	-115.234375	2.0	dab
48	0.605124	-0.512926	-1.637900	248.046875	-140.625000	-250.000000	2.0	dab
49	1.156825	-0.026506	-1.463990	-250.000000	248.046875	-250.000000	2.0	dab
50	0.825345	-0.440903	-1.678394	-250.000000	248.046875	-250.000000	2.0	dab
51	0.563957	-1.064542	-1.007036	-208.984375	48.828125	-105.468750	2.0	dab
52	0.494624	-0.688725	-0.266722	50.781250	27.343750	-31.250000	2.0	dab
53	0.503024	-0.531985	0.177467	-1.953125	-3.906250	-7.812500	2.0	dab
54	0.508065	-0.387941	0.437730	11.718750	1.953125	-7.812500	2.0	dab
55	0.554839	-0.351515	0.593888	-3.906250	1.953125	-15.625000	2.0	dab
56	0.551653	-0.317159	0.681333	-13.671875	-13.671875	7.812500	2.0	dab
57	0.537242	-0.296545	0.733800	-11.718750	-7.812500	17.578125	2.0	dab
58	0.472345	-0.252927	0.721530	-27.343750	-7.812500	80.078125	2.0	dab
59	0.345907	-0.308006	0.676668	-13.671875	-11.718750	187.500000	2.0	dab
60	0.163794	-0.441054	0.556001	-7.812500	-156.250000	152.343750	2.0	dab
61	0.079527	-0.420882	0.296100	-33.203125	-250.000000	85.937500	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
62	0.128966	-0.283779	0.002660	-130.859375	-250.000000	66.406250	2.0	dab
63	0.383630	-0.457768	-0.485904	-218.750000	-242.187500	21.484375	2.0	dab
64	0.467678	-0.724661	-0.954042	-250.000000	-146.484375	91.796875	2.0	dab
65	0.455607	-0.747296	-1.172425	-107.421875	-33.203125	-164.062500	2.0	dab
66	0.598364	-0.642128	-1.215955	13.671875	25.390625	-11.718750	2.0	dab
67	0.471518	-0.429027	-1.117073	39.062500	23.437500	1.953125	2.0	dab
68	0.370411	-0.376166	-1.026494	1.953125	21.484375	-25.390625	2.0	dab
69	0.334747	-0.344450	-1.003396	3.906250	9.765625	-11.718750	2.0	dab
70	0.332098	-0.312920	-0.977038	7.812500	-19.531250	-5.859375	2.0	dab
71	0.349259	-0.300252	-0.961223	0.000000	-9.765625	-3.906250	0.0	dab
72	0.353305	-0.292651	-0.964234	0.000000	-1.953125	1.953125	0.0	dab
73	0.349483	-0.288091	-0.953540	0.000000	-3.906250	-1.953125	0.0	dab
74	0.353440	-0.285354	-0.953374	0.000000	-1.953125	1.953125	0.0	dab
75	0.355814	-0.289963	-0.953274	-1.953125	-1.953125	-1.953125	0.0	dab
76	0.357238	-0.286478	-0.953215	0.000000	0.000000	0.000000	0.0	dab
77	0.358093	-0.284387	-0.953179	-1.953125	1.953125	1.953125	0.0	dab
78	0.352356	-0.283132	-0.946907	-3.906250	0.000000	0.000000	0.0	dab
79	0.315136	-0.264594	-0.968906	0.000000	-1.953125	-1.953125	0.0	dab
80	0.320332	-0.265006	-0.968844	-1.953125	-1.953125	-1.953125	1.0	dab
81	0.323449	-0.265254	-0.968806	0.000000	-1.953125	-1.953125	1.0	dab
82	0.319069	-0.265402	-0.968784	0.000000	-1.953125	-1.953125	1.0	dab
83	0.316442	-0.265491	-0.968770	-1.953125	0.000000	-1.953125	1.0	dab
84	0.321115	-0.265545	-0.968762	-1.953125	-1.953125	0.000000	1.0	dab
85	0.323919	-0.265577	-0.968757	0.000000	-1.953125	1.953125	1.0	dab
86	0.425601	-0.296846	-0.981254	1.953125	-19.531250	35.156250	1.0	dab
87	0.467861	-0.546858	-1.120003	56.640625	82.031250	164.062500	2.0	dab
88	-0.131783	-0.940615	-1.403252	248.046875	-9.765625	-144.531250	2.0	dab
89	-0.066570	-0.839369	-1.641951	248.046875	-250.000000	-11.718750	2.0	dab
90	0.753808	-0.134871	-1.516421	154.296875	-119.140625	-250.000000	2.0	dab
91	1.246035	-0.362173	-1.397352	-250.000000	248.046875	-250.000000	2.0	dab
92	1.185121	-0.861054	-1.638411	-250.000000	248.046875	-250.000000	2.0	dab
93	0.679823	-1.222882	-1.008047	-205.078125	44.921875	-97.656250	2.0	dab
94	0.501644	-0.777479	-0.329828	60.546875	27.343750	17.578125	2.0	dab
95	0.457236	-0.566488	0.114603	-13.671875	-7.812500	1.953125	2.0	dab
96	0.511842	-0.433643	0.400012	-3.906250	-9.765625	3.906250	2.0	dab
97	0.563355	-0.416436	0.565007	5.859375	-3.906250	-9.765625	2.0	dab
98	0.581763	-0.356111	0.645254	1.953125	-7.812500	-1.953125	2.0	dab
99	0.586558	-0.326167	0.680903	0.000000	-7.812500	11.718750	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
100	0.608185	-0.339450	0.696042	3.906250	-5.859375	3.906250	2.0	dab
101	0.633661	-0.334920	0.717625	0.000000	-3.906250	-5.859375	2.0	dab
102	0.636446	-0.338452	0.724325	-7.812500	-1.953125	1.953125	2.0	dab
103	0.625618	-0.328071	0.728345	0.000000	0.000000	5.859375	2.0	dab
104	0.600371	-0.334343	0.730757	5.859375	0.000000	1.953125	2.0	dab
105	0.585222	-0.325606	0.732204	7.812500	-5.859375	21.484375	2.0	dab
106	0.501133	-0.351613	0.670573	-7.812500	-7.812500	117.187500	2.0	dab
107	0.306930	-0.404718	0.483594	27.343750	-113.281250	171.875000	2.0	dab
108	0.177908	-0.399081	0.233906	-13.671875	-250.000000	140.625000	2.0	dab
109	0.244245	-0.351948	-0.090906	-111.328125	-250.000000	82.031250	2.0	dab
110	0.390297	-0.567419	-0.529544	-191.406250	-238.281250	37.109375	2.0	dab
111	0.471678	-0.702951	-0.936476	-224.609375	-183.593750	62.500000	2.0	dab
112	0.620507	-0.928021	-1.218136	-82.031250	52.734375	-250.000000	2.0	dab
113	0.672304	-0.588063	-1.162131	11.718750	17.578125	21.484375	2.0	dab
114	0.522132	-0.427838	-1.066029	-3.906250	-13.671875	56.640625	2.0	dab
115	0.400779	-0.412953	-1.020867	-19.531250	11.718750	1.953125	2.0	dab
116	0.327968	-0.372772	-0.993770	-15.625000	0.000000	15.625000	2.0	dab
117	0.378031	-0.367413	-0.990012	-3.906250	-3.906250	-5.859375	2.0	dab
118	0.351818	-0.320448	-0.975257	1.953125	0.000000	-3.906250	0.0	dab
119	0.329841	-0.304769	-0.966404	-3.906250	0.000000	9.765625	0.0	dab
120	0.341655	-0.301611	-0.961093	0.000000	0.000000	-3.906250	0.0	dab
121	0.336243	-0.293467	-0.957906	-1.953125	-1.953125	0.000000	0.0	dab
122	0.332996	-0.288580	-0.955993	0.000000	0.000000	-1.953125	0.0	dab
123	0.337297	-0.285648	-0.961096	-1.953125	0.000000	0.000000	0.0	dab
124	0.339878	-0.277639	-0.957908	1.953125	0.000000	0.000000	0.0	dab
125	0.335177	-0.279083	-0.955995	-1.953125	0.000000	0.000000	0.0	dab
126	0.280661	-0.244568	-0.985082	-1.953125	0.000000	-1.953125	0.0	dab
127	0.280897	-0.246741	-0.984799	-1.953125	-1.953125	-1.953125	0.0	dab
128	0.281038	-0.248045	-0.984630	-1.953125	-1.953125	0.000000	0.0	dab
129	0.281123	-0.248827	-0.984528	0.000000	-1.953125	-3.906250	1.0	dab
130	0.281174	-0.243046	-0.984467	0.000000	-1.953125	0.000000	1.0	dab
131	0.281204	-0.245828	-0.984430	0.000000	0.000000	-1.953125	1.0	dab
132	0.287473	-0.247497	-0.990658	1.953125	-1.953125	0.000000	1.0	dab
133	0.416234	-0.348498	-0.988145	0.000000	-54.687500	48.828125	1.0	dab
134	0.243490	-0.771599	-1.199137	105.468750	142.578125	80.078125	2.0	dab
135	-0.322656	-0.800459	-1.519482	248.046875	-205.078125	-56.640625	2.0	dab
136	0.056406	-0.749026	-1.711689	248.046875	-250.000000	-250.000000	2.0	dab
137	0.827594	-0.180665	-1.420764	-115.234375	82.031250	-169.921875	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
138	1.127806	-0.220899	-1.396208	-250.000000	248.046875	-250.000000	2.0	dab
139	0.864184	-0.826290	-1.637725	-250.000000	248.046875	-244.140625	2.0	dab
140	0.512260	-1.202024	-0.776385	-62.500000	23.437500	-62.500000	2.0	dab
141	0.526106	-0.721214	-0.172081	27.343750	1.953125	9.765625	2.0	dab
142	0.559414	-0.545229	0.209251	3.906250	-13.671875	0.000000	2.0	dab
143	0.591898	-0.452137	0.419301	7.812500	-1.953125	13.671875	2.0	dab
144	0.636389	-0.377532	0.545331	5.859375	-5.859375	-7.812500	2.0	dab
145	0.675583	-0.332769	0.620948	-3.906250	-5.859375	3.906250	2.0	dab
146	0.692850	-0.305912	0.653819	-3.906250	-3.906250	11.718750	2.0	dab
147	0.690710	-0.308547	0.673541	1.953125	-3.906250	7.812500	2.0	dab
148	0.683176	-0.303878	0.691625	-5.859375	-1.953125	-1.953125	2.0	dab
149	0.672406	-0.313577	0.702475	-1.953125	-1.953125	1.953125	2.0	dab
150	0.672193	-0.313146	0.702735	1.953125	0.000000	1.953125	2.0	dab
151	0.665816	-0.312888	0.702891	-1.953125	-1.953125	3.906250	2.0	dab
152	0.668240	-0.325233	0.709235	0.000000	0.000000	3.906250	2.0	dab
153	0.657194	-0.338890	0.706791	0.000000	-5.859375	3.906250	2.0	dab
154	0.663066	-0.334584	0.711574	3.906250	-3.906250	5.859375	2.0	dab
155	0.672840	-0.332000	0.708195	0.000000	-3.906250	7.812500	2.0	dab
156	0.659954	-0.324200	0.699917	1.953125	0.000000	7.812500	2.0	dab
157	0.645972	-0.332020	0.694950	1.953125	-5.859375	9.765625	2.0	dab
158	0.600083	-0.355462	0.673220	9.765625	-7.812500	41.015625	2.0	dab
159	0.491300	-0.369527	0.616432	29.296875	-42.968750	70.312500	2.0	dab
160	0.357280	-0.377966	0.457359	15.625000	-126.953125	119.140625	2.0	dab
161	0.258118	-0.345530	0.186916	-46.875000	-240.234375	134.765625	2.0	dab
162	0.267371	-0.388568	-0.250351	-201.171875	-250.000000	146.484375	2.0	dab
163	0.372922	-0.651891	-0.743960	-228.515625	-250.000000	-83.984375	2.0	dab
164	0.561253	-0.697384	-1.052626	-125.000000	-117.187500	-46.875000	2.0	dab
165	0.655502	-0.662181	-1.300326	-99.609375	52.734375	-33.203125	2.0	dab
166	0.537051	-0.441058	-1.217695	37.109375	15.625000	7.812500	2.0	dab
167	0.390981	-0.339635	-1.105617	-11.718750	1.953125	50.781250	2.0	dab
168	0.290838	-0.328781	-1.075870	3.906250	7.812500	-9.765625	2.0	dab
169	0.287003	-0.316019	-1.039272	11.718750	13.671875	-31.250000	2.0	dab
170	0.290952	-0.270861	-1.017313	1.953125	5.859375	-11.718750	2.0	dab
171	0.280821	-0.262517	-0.997888	-5.859375	0.000000	5.859375	0.0	dab
172	0.287243	-0.276260	-0.992483	-1.953125	0.000000	3.906250	0.0	dab
173	0.291096	-0.265756	-0.989240	1.953125	1.953125	1.953125	0.0	dab
174	0.293407	-0.265704	-0.987294	-1.953125	0.000000	1.953125	0.0	dab
175	0.294794	-0.265672	-0.979876	-1.953125	0.000000	3.906250	0.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
176	0.295627	-0.271903	-0.975426	0.000000	0.000000	0.000000	0.0	dab
177	0.296126	-0.269392	-0.972755	-1.953125	0.000000	0.000000	0.0	dab
178	0.296426	-0.274135	-0.971153	-1.953125	-1.953125	-1.953125	0.0	dab
179	0.296426	-0.274135	-0.971153	-1.953125	-1.953125	-1.953125	0.0	dab
180	0.296605	-0.270731	-0.970192	0.000000	0.000000	-3.906250	0.0	dab
181	0.296713	-0.274939	-0.969615	0.000000	0.000000	-1.953125	0.0	dab
182	0.296778	-0.277463	-0.969269	-1.953125	-1.953125	0.000000	1.0	dab
183	0.296817	-0.272728	-0.969061	0.000000	0.000000	-1.953125	1.0	dab
184	0.296840	-0.269887	-0.968937	0.000000	0.000000	0.000000	1.0	dab
185	0.303104	-0.274432	-0.975112	1.953125	-1.953125	-3.906250	1.0	dab
186	0.431862	-0.339659	-0.966317	7.812500	-39.062500	31.250000	1.0	dab
187	0.284117	-0.797546	-1.198540	56.640625	119.140625	167.968750	2.0	dab
188	-0.335780	-0.891027	-1.519124	248.046875	-232.421875	-31.250000	2.0	dab
189	0.436032	-0.522116	-1.711475	248.046875	-250.000000	-250.000000	2.0	dab
190	1.055369	-0.407020	-1.739385	-250.000000	248.046875	-250.000000	2.0	dab
191	1.120722	-0.819212	-1.843631	-250.000000	248.046875	-250.000000	2.0	dab
192	0.222433	-1.291527	-1.224928	-240.234375	150.390625	-27.343750	2.0	dab
193	0.270960	-0.874916	-0.484957	105.468750	21.484375	44.921875	2.0	dab
194	0.306326	-0.624950	0.040276	15.625000	-1.953125	-7.812500	2.0	dab
195	0.390046	-0.487470	0.336665	-5.859375	0.000000	13.671875	2.0	dab
196	0.409027	-0.498732	0.545749	-5.859375	17.578125	23.437500	2.0	dab
197	0.482916	-0.486739	0.639950	-15.625000	-19.531250	-5.859375	2.0	dab
198	0.514750	-0.479543	0.677720	-5.859375	-7.812500	0.000000	2.0	dab
199	0.527600	-0.462726	0.706632	3.906250	-1.953125	5.859375	2.0	dab
200	0.529060	-0.433886	0.723979	3.906250	0.000000	1.953125	2.0	dab
201	0.548686	-0.435331	0.740637	0.000000	-5.859375	1.953125	2.0	dab
202	0.541712	-0.423699	0.744382	3.906250	-1.953125	3.906250	2.0	dab
203	0.531277	-0.404219	0.752879	5.859375	0.000000	5.859375	2.0	dab
204	0.531266	-0.392532	0.751728	-3.906250	0.000000	5.859375	2.0	dab
205	0.531260	-0.398019	0.751037	-7.812500	-5.859375	15.625000	2.0	dab
206	0.531256	-0.413811	0.756872	5.859375	-9.765625	9.765625	2.0	dab
207	0.550003	-0.398287	0.760373	5.859375	-7.812500	11.718750	2.0	dab
208	0.555002	-0.420222	0.756224	3.906250	-3.906250	7.812500	2.0	dab
209	0.545501	-0.420883	0.747484	-3.906250	-1.953125	5.859375	2.0	dab
210	0.508551	-0.446280	0.729741	-1.953125	1.953125	33.203125	2.0	dab
211	0.261380	-0.511518	0.575344	-17.578125	-27.343750	183.593750	2.0	dab
212	0.075578	-0.463161	0.251457	11.718750	-250.000000	138.671875	2.0	dab
213	0.114097	-0.296646	-0.099126	-99.609375	-250.000000	83.984375	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
214	0.362208	-0.427988	-0.571976	-250.000000	-250.000000	64.453125	2.0	dab
215	0.442325	-0.688043	-1.055685	-250.000000	-117.187500	80.078125	2.0	dab
216	0.509145	-0.775326	-1.370911	-121.093750	31.250000	-21.484375	2.0	dab
217	0.705487	-0.658945	-1.378797	41.015625	23.437500	-70.312500	2.0	dab
218	0.535792	-0.414117	-1.214778	11.718750	-21.484375	39.062500	2.0	dab
219	0.371475	-0.354720	-1.122617	-1.953125	33.203125	-25.390625	2.0	dab
220	0.272885	-0.312832	-1.073570	-7.812500	0.000000	13.671875	2.0	dab
221	0.401231	-0.312699	-1.050392	0.000000	-17.578125	-19.531250	2.0	dab
222	0.353239	-0.281370	-1.017735	-1.953125	0.000000	7.812500	2.0	dab
223	0.311943	-0.262572	-0.998141	-3.906250	0.000000	9.765625	0.0	dab
224	0.312166	-0.276293	-0.992635	-1.953125	0.000000	3.906250	0.0	dab
225	0.312300	-0.259526	-0.983081	0.000000	-1.953125	-1.953125	0.0	dab
226	0.299880	-0.268215	-0.977348	-3.906250	0.000000	-1.953125	0.0	dab
227	0.298678	-0.267179	-0.973909	0.000000	0.000000	-5.859375	0.0	dab
228	0.304207	-0.266558	-0.971845	0.000000	0.000000	-5.859375	0.0	dab
229	0.301274	-0.266185	-0.970607	0.000000	0.000000	-5.859375	0.0	dab
230	0.299514	-0.259711	-0.976114	0.000000	0.000000	-7.812500	0.0	dab
231	0.299514	-0.259711	-0.976114	0.000000	0.000000	-7.812500	0.0	dab
232	0.304709	-0.255826	-0.973169	1.953125	-1.953125	-5.859375	0.0	dab
233	0.314075	-0.259746	-0.971401	-1.953125	0.000000	-3.906250	0.0	dab
234	0.313445	-0.262098	-0.970341	0.000000	0.000000	-1.953125	1.0	dab
235	0.313067	-0.263509	-0.969704	0.000000	0.000000	-1.953125	1.0	dab
236	0.319090	-0.264355	-0.969323	1.953125	0.000000	0.000000	1.0	dab
237	0.347704	-0.283613	-0.969094	9.765625	0.000000	21.484375	1.0	dab
238	0.421122	-0.413918	-0.987706	50.781250	27.343750	27.343750	1.0	dab
239	0.240173	-0.717101	-1.061374	97.656250	54.687500	-23.437500	2.0	dab
240	0.031604	-0.674010	-1.161824	240.234375	-99.609375	-85.937500	2.0	dab
241	0.100212	-0.535656	-1.128345	230.468750	-189.453125	-87.890625	2.0	dab
242	0.253877	-0.408894	-0.908257	113.281250	-142.578125	-46.875000	2.0	dab
243	0.452326	-0.457836	-0.713704	25.390625	-74.218750	42.968750	2.0	dab
244	0.508896	-0.662202	-0.596972	1.953125	-15.625000	-31.250000	2.0	dab
245	1.099088	-1.009821	-1.108183	-60.546875	85.937500	-144.531250	2.0	dab
246	1.453203	-1.405893	-1.464910	-250.000000	248.046875	-250.000000	2.0	dab
247	1.053172	-1.643536	-1.678946	-250.000000	248.046875	-250.000000	2.0	dab
248	0.431903	-1.567371	-1.076118	-181.640625	164.062500	42.968750	2.0	dab
249	0.365392	-1.121673	-0.408171	-37.109375	17.578125	-19.531250	2.0	dab
250	0.331735	-0.829254	0.061348	1.953125	-1.953125	-15.625000	2.0	dab
251	0.392791	-0.647552	0.355559	3.906250	1.953125	0.000000	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
252	0.448175	-0.551031	0.538335	9.765625	1.953125	1.953125	2.0	dab
253	0.487655	-0.449369	0.635501	29.296875	5.859375	7.812500	2.0	dab
254	0.530093	-0.363371	0.706301	1.953125	0.000000	9.765625	2.0	dab
255	0.524306	-0.324273	0.742530	-1.953125	0.000000	17.578125	2.0	dab
256	0.520833	-0.307064	0.758018	-1.953125	-5.859375	17.578125	2.0	dab
257	0.506250	-0.302988	0.767311	-7.812500	-7.812500	0.000000	2.0	dab
258	0.503750	-0.331793	0.766637	-5.859375	-7.812500	5.859375	2.0	dab
259	0.464750	-0.342826	0.741232	-17.578125	-13.671875	54.687500	2.0	dab
260	0.353850	-0.368195	0.669739	-15.625000	-33.203125	103.515625	2.0	dab
261	0.256060	-0.358417	0.539343	-29.296875	-115.234375	64.453125	2.0	dab
262	0.266136	-0.408800	0.286106	-52.734375	-191.406250	41.015625	2.0	dab
263	0.297182	-0.426530	-0.072086	-101.562500	-250.000000	42.968750	2.0	dab
264	0.409559	-0.624668	-0.493252	-173.828125	-250.000000	27.343750	2.0	dab
265	0.545735	-0.681051	-0.845951	-144.531250	-195.312500	-85.937500	2.0	dab
266	0.621191	-0.652381	-1.057571	-85.937500	-50.781250	-42.968750	2.0	dab
267	0.866465	-0.672678	-1.222042	-21.484375	13.671875	-44.921875	2.0	dab
268	0.657379	-0.459857	-1.145725	44.921875	-31.250000	35.156250	2.0	dab
269	0.450677	-0.375914	-1.056185	3.906250	35.156250	33.203125	2.0	dab
270	0.301656	-0.325549	-1.021211	-3.906250	27.343750	5.859375	2.0	dab
271	0.274744	-0.345329	-1.012727	-9.765625	-25.390625	-31.250000	2.0	dab
272	0.364846	-0.319697	-1.001386	13.671875	0.000000	-60.546875	2.0	dab
273	0.343908	-0.285568	-0.994582	-5.859375	5.859375	5.859375	0.0	dab
274	0.312595	-0.271341	-0.984249	-1.953125	5.859375	3.906250	0.0	dab
275	0.293807	-0.275305	-0.971799	-5.859375	-1.953125	-1.953125	0.0	dab
276	0.307534	-0.283933	-0.970580	-3.906250	-3.906250	-3.906250	0.0	dab
277	0.322020	-0.276610	-0.969848	0.000000	0.000000	-1.953125	0.0	dab
278	0.318212	-0.272216	-0.963159	-1.953125	0.000000	3.906250	0.0	dab
279	0.309677	-0.275829	-0.965395	-1.953125	0.000000	-1.953125	0.0	dab
280	0.317056	-0.271748	-0.966737	0.000000	-1.953125	-3.906250	0.0	dab
281	0.383809	-0.363368	-0.925694	0.000000	-5.859375	7.812500	1.0	dab
282	0.474035	-0.455521	-0.955416	9.765625	25.390625	60.546875	1.0	dab
283	0.340671	-0.698313	-1.004500	58.593750	72.265625	-1.953125	1.0	dab
284	-0.008097	-0.818988	-1.227700	248.046875	-136.718750	-130.859375	0.0	dab
285	0.451392	-0.885143	-1.536620	248.046875	-250.000000	-187.500000	0.0	dab
286	1.064585	-0.381086	-1.440722	37.109375	210.937500	-119.140625	0.0	dab
287	1.263751	-0.503651	-1.514433	-250.000000	248.046875	-250.000000	0.0	dab
288	0.995751	-1.102191	-1.708660	-250.000000	248.046875	-76.171875	0.0	dab
289	0.584950	-1.161314	-0.825196	-56.640625	27.343750	9.765625	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
290	0.500970	-0.721789	-0.188868	39.062500	48.828125	-7.812500	2.0	dab
291	0.500582	-0.545573	0.224179	5.859375	-7.812500	-7.812500	2.0	dab
292	0.494099	-0.489844	0.472008	19.531250	5.859375	9.765625	2.0	dab
293	0.515210	-0.412656	0.614455	15.625000	5.859375	-7.812500	2.0	dab
294	0.509126	-0.360094	0.693673	3.906250	-9.765625	-3.906250	2.0	dab
295	0.505475	-0.328556	0.741204	-5.859375	-9.765625	9.765625	2.0	dab
296	0.503285	-0.309634	0.763472	0.000000	-1.953125	9.765625	2.0	dab
297	0.489471	-0.285780	0.776833	-5.859375	-3.906250	5.859375	2.0	dab
298	0.499933	-0.296468	0.778600	-13.671875	-9.765625	1.953125	2.0	dab
299	0.387460	-0.327881	0.648410	9.765625	-19.531250	33.203125	2.0	dab
300	-0.086274	-0.321729	0.070296	58.593750	-250.000000	164.062500	2.0	dab
301	0.066985	-0.199287	-0.570322	-189.453125	-250.000000	152.343750	2.0	dab
302	0.615191	-0.607072	-1.073443	-214.843750	-250.000000	3.906250	2.0	dab
303	0.819115	-0.845493	-1.419066	-126.953125	-109.375000	21.484375	2.0	dab
304	0.716469	-0.582296	-1.282690	72.265625	13.671875	-72.265625	2.0	dab
305	0.554881	-0.461878	-1.150864	-7.812500	-23.437500	27.343750	2.0	dab
306	0.382929	-0.402127	-1.103018	3.906250	15.625000	9.765625	2.0	dab
307	0.386007	-0.416276	-1.036811	15.625000	9.765625	-25.390625	2.0	dab
308	0.350354	-0.393516	-0.984587	-1.953125	1.953125	3.906250	2.0	dab
309	0.303963	-0.398609	-0.965752	-3.906250	3.906250	0.000000	2.0	dab
310	0.307378	-0.395416	-0.941951	-1.953125	3.906250	-9.765625	0.0	dab
311	0.309427	-0.387249	-0.940171	-3.906250	0.000000	-5.859375	0.0	dab
312	0.310656	-0.382350	-0.932852	-3.906250	0.000000	0.000000	0.0	dab
313	0.311394	-0.385660	-0.928461	-1.953125	-1.953125	-5.859375	0.0	dab
314	0.318086	-0.387646	-0.925827	1.953125	-1.953125	-7.812500	0.0	dab
315	0.322102	-0.395088	-0.924246	5.859375	-3.906250	-5.859375	0.0	dab
316	0.324511	-0.399553	-0.923298	7.812500	-1.953125	-9.765625	0.0	dab
317	0.332207	-0.395982	-0.922729	7.812500	-1.953125	-11.718750	0.0	dab
318	0.333947	-0.382024	-0.925297	1.953125	-1.953125	0.000000	1.0	dab
319	0.331618	-0.379214	-0.923928	-1.953125	-1.953125	-5.859375	1.0	dab
320	0.330221	-0.383778	-0.923107	-1.953125	-1.953125	-5.859375	1.0	dab
321	0.335633	-0.386517	-0.928864	0.000000	-1.953125	-5.859375	1.0	dab
322	0.338880	-0.381910	-0.926069	1.953125	0.000000	-1.953125	1.0	dab
323	0.347078	-0.379146	-0.918141	-1.953125	0.000000	-3.906250	1.0	dab
324	0.370747	-0.402488	-0.919635	1.953125	5.859375	13.671875	1.0	dab
325	0.378698	-0.485243	-0.945531	1.953125	19.531250	44.921875	1.0	dab
326	0.095969	-0.891146	-1.117318	101.562500	5.859375	-64.453125	2.0	dab
327	0.051331	-1.078437	-1.470391	248.046875	-250.000000	-76.171875	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
328	0.674549	-0.397062	-1.669735	248.046875	-105.468750	-250.000000	2.0	dab
329	1.010979	-0.475737	-1.383091	-232.421875	248.046875	-250.000000	2.0	dab
330	1.006588	-0.516692	-1.398604	-250.000000	248.046875	-250.000000	2.0	dab
331	0.453953	-1.085015	-1.095413	-250.000000	99.609375	-113.281250	2.0	dab
332	0.509872	-0.888509	-0.407248	-9.765625	-17.578125	-17.578125	2.0	dab
333	0.487173	-0.708106	0.080651	-17.578125	21.484375	-3.906250	2.0	dab
334	0.479804	-0.606113	0.354641	13.671875	19.531250	-5.859375	2.0	dab
335	0.450382	-0.569918	0.531535	7.812500	-11.718750	-19.531250	2.0	dab
336	0.457729	-0.516951	0.625171	1.953125	-5.859375	0.000000	2.0	dab
337	0.468388	-0.485170	0.681352	-1.953125	-1.953125	5.859375	2.0	dab
338	0.474783	-0.472352	0.715061	-1.953125	-9.765625	-3.906250	2.0	dab
339	0.478620	-0.477161	0.735287	3.906250	-1.953125	0.000000	2.0	dab
340	0.493422	-0.461297	0.741172	-5.859375	-5.859375	1.953125	2.0	dab
341	0.496053	-0.464278	0.750953	0.000000	-3.906250	1.953125	2.0	dab
342	0.497632	-0.472317	0.750572	1.953125	-3.906250	1.953125	2.0	dab
343	0.473579	-0.464640	0.750343	5.859375	0.000000	17.578125	2.0	dab
344	0.452897	-0.491284	0.756456	-1.953125	-11.718750	37.109375	2.0	dab
345	0.340488	-0.476020	0.672624	29.296875	-48.828125	62.500000	2.0	dab
346	0.241793	-0.404362	0.528574	35.156250	-105.468750	123.046875	2.0	dab
347	0.163826	-0.317617	0.360894	-31.250000	-171.875000	97.656250	2.0	dab
348	0.148296	-0.296820	0.016537	-185.546875	-242.187500	93.750000	2.0	dab
349	0.288977	-0.615592	-0.546328	-250.000000	-250.000000	-23.437500	2.0	dab
350	0.429636	-0.763105	-1.046547	-203.125000	-226.562500	-13.671875	2.0	dab
351	0.882782	-1.226613	-1.396678	-101.562500	-35.156250	-222.656250	2.0	dab
352	0.685919	-0.804718	-1.244257	70.312500	39.062500	78.125000	2.0	dab
353	0.549051	-0.589081	-1.127804	5.859375	1.953125	-56.640625	2.0	dab
354	0.391931	-0.472198	-1.032932	-31.250000	15.625000	-29.296875	2.0	dab
355	0.322659	-0.445819	-1.001009	-21.484375	-1.953125	11.718750	2.0	dab
356	0.318595	-0.417491	-0.994356	-3.906250	-17.578125	5.859375	2.0	dab
357	0.378657	-0.356745	-0.977863	9.765625	-9.765625	-15.625000	2.0	dab
358	0.383444	-0.307797	-0.967968	-5.859375	1.953125	5.859375	0.0	dab
359	0.355067	-0.309678	-0.962031	-5.859375	3.906250	3.906250	0.0	dab
360	0.331790	-0.317057	-0.958468	-1.953125	-1.953125	1.953125	0.0	dab
361	0.342824	-0.315234	-0.956331	3.906250	-5.859375	-3.906250	0.0	dab
362	0.355694	-0.307890	-0.955049	1.953125	0.000000	-1.953125	0.0	dab
363	0.350917	-0.303484	-0.954279	1.953125	0.000000	0.000000	0.0	dab
364	0.341800	-0.294591	-0.947568	0.000000	0.000000	0.000000	0.0	dab
365	0.336330	-0.301754	-0.949791	-1.953125	-1.953125	-1.953125	0.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
366	0.334359	-0.398418	-0.908602	1.953125	-1.953125	-1.953125	1.0	dab
367	0.344365	-0.414051	-0.913911	7.812500	0.000000	0.000000	1.0	dab
368	0.331619	-0.410931	-0.904597	5.859375	1.953125	7.812500	1.0	dab
369	0.317722	-0.415308	-0.899008	1.953125	-3.906250	-3.906250	1.0	dab
370	0.321883	-0.417935	-0.901905	0.000000	-3.906250	-7.812500	1.0	dab
371	0.330630	-0.413261	-0.903643	-1.953125	-1.953125	-3.906250	1.0	dab
372	0.360878	-0.422957	-0.892186	-1.953125	-1.953125	3.906250	1.0	dab
373	0.366527	-0.585024	-0.941561	7.812500	25.390625	19.531250	1.0	dab
374	0.144916	-0.919764	-1.052437	138.671875	-15.625000	-128.906250	2.0	dab
375	0.118200	-0.820609	-1.250212	248.046875	-189.453125	-107.421875	2.0	dab
376	0.620920	-0.911115	-1.331377	226.562500	-175.781250	-123.046875	2.0	dab
377	1.166302	-0.702919	-1.267576	-25.390625	248.046875	-185.546875	2.0	dab
378	1.287281	-0.684251	-1.366796	-250.000000	248.046875	-250.000000	2.0	dab
379	0.878619	-1.129301	-1.620077	-250.000000	248.046875	-126.953125	2.0	dab
380	0.458421	-1.296331	-0.765796	-78.125000	9.765625	-37.109375	2.0	dab
381	0.462553	-0.921548	-0.146978	31.250000	19.531250	19.531250	2.0	dab
382	0.490032	-0.740429	0.236813	17.578125	-5.859375	3.906250	2.0	dab
383	0.481519	-0.606757	0.454588	17.578125	21.484375	21.484375	2.0	dab
384	0.488911	-0.507804	0.604003	9.765625	-7.812500	-5.859375	2.0	dab
385	0.505847	-0.442183	0.681152	1.953125	-1.953125	0.000000	2.0	dab
386	0.522258	-0.402810	0.721191	0.000000	-1.953125	5.859375	2.0	dab
387	0.532105	-0.379186	0.745215	3.906250	1.953125	7.812500	2.0	dab
388	0.525513	-0.371261	0.759629	-3.906250	1.953125	11.718750	2.0	dab
389	0.521558	-0.372757	0.780777	0.000000	-5.859375	-3.906250	2.0	dab
390	0.512935	-0.373654	0.787216	-3.906250	0.000000	1.953125	2.0	dab
391	0.507761	-0.392942	0.784830	3.906250	-1.953125	1.953125	2.0	dab
392	0.498406	-0.373265	0.789648	5.859375	-3.906250	0.000000	2.0	dab
393	0.505294	-0.367709	0.792539	1.953125	-5.859375	0.000000	2.0	dab
394	0.515676	-0.358126	0.794273	3.906250	-3.906250	3.906250	2.0	dab
395	0.509406	-0.364875	0.795314	1.953125	0.000000	9.765625	2.0	dab
396	0.499393	-0.368925	0.795938	5.859375	0.000000	9.765625	2.0	dab
397	0.455886	-0.340105	0.783813	-1.953125	-1.953125	42.968750	2.0	dab
398	0.354782	-0.335313	0.726538	-5.859375	-35.156250	58.593750	2.0	dab
399	0.237869	-0.344938	0.592173	-21.484375	-126.953125	64.453125	2.0	dab
400	0.192721	-0.344463	0.324054	-42.968750	-232.421875	37.109375	2.0	dab
401	0.240633	-0.331678	-0.030568	-111.328125	-250.000000	46.875000	2.0	dab
402	0.425630	-0.536507	-0.549591	-185.546875	-250.000000	29.296875	2.0	dab
403	0.549128	-0.721904	-0.986004	-126.953125	-177.734375	-3.906250	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
404	0.616977	-0.689392	-1.147853	-29.296875	-85.937500	-11.718750	2.0	dab
405	0.757686	-0.588635	-1.144962	7.812500	39.062500	-166.015625	2.0	dab
406	0.598362	-0.465681	-1.068227	11.718750	7.812500	25.390625	2.0	dab
407	0.446517	-0.416909	-1.028436	-13.671875	1.953125	1.953125	2.0	dab
408	0.330410	-0.393895	-0.985812	-3.906250	5.859375	0.000000	2.0	dab
409	0.304496	-0.386337	-0.972737	0.000000	-11.718750	-9.765625	2.0	dab
410	0.363948	-0.338052	-0.971142	3.906250	3.906250	-37.109375	2.0	dab
411	0.343369	-0.321581	-0.957685	-7.812500	1.953125	19.531250	0.0	dab
412	0.312271	-0.336699	-0.955861	-7.812500	0.000000	11.718750	0.0	dab
413	0.306113	-0.352019	-0.948517	-1.953125	0.000000	3.906250	0.0	dab
414	0.308668	-0.342462	-0.950360	1.953125	0.000000	-3.906250	0.0	dab
415	0.303951	-0.336727	-0.951466	-1.953125	-1.953125	1.953125	0.0	dab
416	0.301120	-0.339536	-0.945880	0.000000	-1.953125	-1.953125	0.0	dab
417	0.305672	-0.334972	-0.948778	0.000000	-1.953125	-3.906250	0.0	dab
418	0.308403	-0.332233	-0.950517	-1.953125	-1.953125	-1.953125	0.0	dab
419	0.304999	-0.355447	-0.938425	1.953125	-3.906250	-9.765625	1.0	dab
420	0.414249	-0.400768	-0.950555	15.625000	11.718750	46.875000	1.0	dab
421	0.336050	-0.696711	-1.014083	33.203125	74.218750	91.796875	1.0	dab
422	-0.104620	-0.968027	-1.395950	248.046875	-117.187500	-250.000000	0.0	dab
423	0.280978	-0.943316	-1.637570	248.046875	-250.000000	-193.359375	0.0	dab
424	0.962337	-0.484740	-1.720042	-7.812500	248.046875	-250.000000	0.0	dab
425	1.071152	-0.315844	-1.607025	-250.000000	248.046875	-250.000000	0.0	dab
426	0.880191	-0.852006	-1.764215	-250.000000	248.046875	-166.015625	0.0	dab
427	0.409365	-1.273704	-0.971029	-173.828125	70.312500	-17.578125	2.0	dab
428	0.445619	-0.926722	-0.326367	54.687500	1.953125	-15.625000	2.0	dab
429	0.448621	-0.743533	0.135430	1.953125	5.859375	-7.812500	2.0	dab
430	0.456673	-0.627370	0.400008	13.671875	21.484375	-7.812500	2.0	dab
431	0.436504	-0.538922	0.527505	3.906250	19.531250	-3.906250	2.0	dab
432	0.443152	-0.498353	0.622753	-1.953125	-9.765625	-3.906250	2.0	dab
433	0.459641	-0.499012	0.679902	0.000000	-3.906250	3.906250	2.0	dab
434	0.463285	-0.493157	0.720441	9.765625	0.000000	-9.765625	2.0	dab
435	0.471721	-0.489644	0.744765	1.953125	3.906250	-7.812500	2.0	dab
436	0.464283	-0.487537	0.753109	-5.859375	-1.953125	-1.953125	2.0	dab
437	0.466070	-0.486272	0.751865	-1.953125	-3.906250	1.953125	2.0	dab
438	0.473392	-0.498013	0.751119	0.000000	-5.859375	-3.906250	2.0	dab
439	0.477785	-0.492558	0.756921	3.906250	-5.859375	-3.906250	2.0	dab
440	0.492921	-0.476785	0.754153	3.906250	-3.906250	0.000000	2.0	dab
441	0.495753	-0.473571	0.758742	1.953125	-3.906250	3.906250	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
442	0.497452	-0.465393	0.761495	1.953125	-1.953125	-1.953125	2.0	dab
443	0.492221	-0.447986	0.763147	-1.953125	-1.953125	1.953125	2.0	dab
444	0.495333	-0.443791	0.764138	-1.953125	-1.953125	1.953125	2.0	dab
445	0.497200	-0.435025	0.764733	0.000000	0.000000	0.000000	2.0	dab
446	0.492070	-0.429765	0.765090	0.000000	0.000000	1.953125	2.0	dab
447	0.476492	-0.432859	0.765304	-1.953125	0.000000	5.859375	2.0	dab
448	0.467145	-0.428465	0.771682	0.000000	0.000000	7.812500	2.0	dab
449	0.436537	-0.425829	0.763009	1.953125	-5.859375	17.578125	2.0	dab
450	0.355672	-0.399248	0.720306	3.906250	-15.625000	33.203125	2.0	dab
451	0.288403	-0.358299	0.644683	0.000000	-70.312500	44.921875	2.0	dab
452	0.241792	-0.396229	0.511810	-19.531250	-142.578125	41.015625	2.0	dab
453	0.251325	-0.412737	0.213336	-70.312500	-212.890625	48.828125	2.0	dab
454	0.363295	-0.522642	-0.171998	-140.625000	-250.000000	13.671875	2.0	dab
455	0.530477	-0.701085	-0.634449	-125.000000	-246.093750	-27.343750	2.0	dab
456	0.774536	-0.720651	-0.961919	-70.312500	-234.375000	-80.078125	2.0	dab
457	0.814722	-0.663641	-1.058402	-52.734375	-62.500000	-82.031250	2.0	dab
458	0.670083	-0.523184	-1.041291	11.718750	27.343750	11.718750	2.0	dab
459	0.520800	-0.420161	-1.031025	9.765625	-9.765625	-27.343750	2.0	dab
460	0.399980	-0.364596	-0.993615	1.953125	11.718750	-5.859375	2.0	dab
461	0.321238	-0.356258	-0.971169	-5.859375	-1.953125	11.718750	2.0	dab
462	0.355243	-0.345005	-0.970201	-5.859375	-11.718750	-9.765625	2.0	dab
463	0.338146	-0.332003	-0.957121	0.000000	9.765625	7.812500	0.0	dab
464	0.315387	-0.336702	-0.949272	-7.812500	-1.953125	11.718750	0.0	dab
465	0.314232	-0.358271	-0.944563	0.000000	1.953125	3.906250	0.0	dab
466	0.313539	-0.339963	-0.941738	0.000000	0.000000	0.000000	0.0	dab
467	0.306874	-0.347728	-0.946293	-3.906250	-1.953125	3.906250	0.0	dab
468	0.309124	-0.346137	-0.942776	0.000000	0.000000	-1.953125	0.0	dab
469	0.310475	-0.345182	-0.946915	0.000000	-1.953125	-3.906250	0.0	dab
470	0.305035	-0.344609	-0.949399	-1.953125	0.000000	-1.953125	0.0	dab
471	0.312630	-0.343580	-0.937969	0.000000	0.000000	0.000000	1.0	dab
472	0.312578	-0.349898	-0.937781	0.000000	0.000000	-1.953125	1.0	dab
473	0.312547	-0.347439	-0.937669	0.000000	0.000000	0.000000	1.0	dab
474	0.318778	-0.358463	-0.937601	1.953125	-1.953125	-1.953125	1.0	dab
475	0.316267	-0.527578	-1.000061	15.625000	-5.859375	-1.953125	1.0	dab
476	0.121010	-0.979047	-1.231286	179.687500	-78.125000	-66.406250	0.0	dab
477	0.228856	-1.018678	-1.488772	248.046875	-197.265625	-166.015625	0.0	dab
478	0.712314	-0.486207	-1.318263	134.765625	80.078125	-142.578125	0.0	dab
479	0.921138	-0.329224	-1.190958	-250.000000	248.046875	-250.000000	2.0	dab

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
480	1.052683	-0.547534	-1.427075	-250.000000	248.046875	-250.000000	2.0	dab
481	0.531610	-0.941021	-1.218745	-250.000000	169.921875	13.671875	2.0	dab
482	0.412716	-0.933362	-0.518747	-3.906250	-27.343750	-54.687500	2.0	dab
483	0.485130	-0.753767	-0.011248	29.296875	0.000000	-3.906250	2.0	dab
484	0.547328	-0.621010	0.280751	15.625000	1.953125	9.765625	2.0	dab
485	0.565897	-0.541356	0.443451	9.765625	0.000000	-5.859375	2.0	dab
486	0.570788	-0.481064	0.534820	3.906250	0.000000	5.859375	2.0	dab
487	0.567473	-0.463638	0.602142	0.000000	-5.859375	-3.906250	2.0	dab
488	0.571734	-0.453183	0.648785	-3.906250	-13.671875	0.000000	2.0	dab
489	0.586790	-0.465660	0.670521	1.953125	-3.906250	-11.718750	2.0	dab
490	0.589574	-0.466896	0.677313	7.812500	-1.953125	1.953125	2.0	dab
491	0.584994	-0.430138	0.675138	-3.906250	-1.953125	11.718750	2.0	dab
492	0.563497	-0.426833	0.680083	-1.953125	-15.625000	23.437500	2.0	dab
493	0.525598	-0.424850	0.651800	9.765625	-23.437500	21.484375	2.0	dab
494	0.446609	-0.417410	0.597330	-19.531250	-48.828125	44.921875	2.0	dab
495	0.411715	-0.462946	0.489648	-9.765625	-109.375000	23.437500	2.0	dab
496	0.409529	-0.502767	0.287539	-15.625000	-158.203125	37.109375	2.0	dab
497	0.433218	-0.476660	0.016273	-46.875000	-214.843750	5.859375	2.0	dab
498	0.522431	-0.535996	-0.346486	-111.328125	-250.000000	-5.859375	2.0	dab
499	0.632208	-0.621598	-0.670392	-103.515625	-210.937500	-1.953125	2.0	dab
500	0.648075	-0.710459	-0.939735	-78.125000	-95.703125	-15.625000	2.0	dab
501	0.951345	-0.476275	-1.082591	17.578125	54.687500	-46.875000	2.0	dab
502	0.708307	-0.385765	-1.043305	11.718750	-42.968750	13.671875	2.0	dab
503	0.462484	-0.362709	-1.000983	-7.812500	27.343750	-17.578125	2.0	dab
504	0.339991	-0.361375	-0.988090	-11.718750	-9.765625	15.625000	2.0	dab
505	0.435244	-0.404325	-0.980354	0.000000	-7.812500	-3.906250	2.0	dab
506	0.367397	-0.373845	-0.969462	5.859375	-1.953125	-19.531250	2.0	dab
507	0.320438	-0.368057	-0.962927	1.953125	-1.953125	-7.812500	0.0	dab
508	0.286013	-0.364584	-0.946506	9.765625	1.953125	23.437500	0.0	dab
509	0.277858	-0.350001	-0.949154	9.765625	0.000000	29.296875	0.0	dab
510	0.304215	-0.366250	-0.956992	1.953125	-7.812500	0.000000	0.0	dab
511	0.313779	-0.382250	-0.942945	-1.953125	1.953125	15.625000	0.0	dab
512	0.282017	-0.379350	-0.940767	-5.859375	3.906250	-1.953125	0.0	dab
513	0.262960	-0.396360	-0.939460	-9.765625	-7.812500	0.000000	0.0	dab
514	0.264026	-0.419066	-0.938676	1.953125	-3.906250	-17.578125	0.0	dab
515	0.364887	-0.363754	-0.916724	-3.906250	3.906250	11.718750	1.0	elbowkick
516	0.368932	-0.368252	-0.912535	-1.953125	-1.953125	7.812500	1.0	elbowkick
517	0.377609	-0.370951	-0.910021	-5.859375	-3.906250	3.906250	1.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
518	0.389066	-0.378821	-0.914762	-5.859375	-3.906250	1.953125	1.0	elbowkick
519	0.389689	-0.383542	-0.911357	-1.953125	1.953125	5.859375	1.0	elbowkick
520	0.383814	-0.392625	-0.909314	-1.953125	1.953125	7.812500	1.0	elbowkick
521	0.349038	-0.441825	-0.901839	0.000000	0.000000	76.171875	1.0	elbowkick
522	0.259423	-0.727595	-0.916103	39.062500	-9.765625	105.468750	1.0	elbowkick
523	0.093154	-1.061557	-1.005912	166.015625	-52.734375	21.484375	2.0	elbowkick
524	0.055892	-1.430684	-1.234797	248.046875	-109.375000	-62.500000	2.0	elbowkick
525	0.039785	-1.370911	-1.209628	248.046875	-76.171875	-5.859375	2.0	elbowkick
526	0.067621	-0.903796	-0.907027	248.046875	-68.359375	35.156250	2.0	elbowkick
527	0.140573	-0.398528	-0.687966	222.656250	-29.296875	62.500000	2.0	elbowkick
528	0.246844	-0.070367	-0.450280	66.406250	-7.812500	103.515625	2.0	elbowkick
529	0.310606	-0.104720	0.167332	-126.953125	0.000000	27.343750	2.0	elbowkick
530	0.280114	-0.544082	0.894149	-68.359375	-3.906250	39.062500	2.0	elbowkick
531	0.268068	-0.376449	0.861490	44.921875	-3.906250	87.890625	2.0	elbowkick
532	0.285841	-0.344620	0.841894	-82.031250	9.765625	-23.437500	2.0	elbowkick
533	0.284005	-0.281772	0.592636	-171.875000	54.687500	54.687500	2.0	elbowkick
534	0.045403	-0.375313	0.218082	-248.046875	152.343750	-3.906250	2.0	elbowkick
535	-0.110258	-0.368938	-0.156651	-250.000000	41.015625	-46.875000	2.0	elbowkick
536	-0.153655	-0.746363	-0.531491	-250.000000	9.765625	-146.484375	2.0	elbowkick
537	0.245307	-0.954068	-0.931394	-187.500000	42.968750	13.671875	2.0	elbowkick
538	0.309684	-0.797441	-1.077587	-80.078125	148.437500	134.765625	2.0	elbowkick
539	0.379561	-0.665964	-1.090302	11.718750	-41.015625	50.781250	2.0	elbowkick
540	0.333986	-0.524579	-1.004181	19.531250	29.296875	-19.531250	2.0	elbowkick
541	0.312892	-0.458497	-0.958759	-37.109375	1.953125	23.437500	2.0	elbowkick
542	0.293985	-0.425098	-0.962755	-21.484375	5.859375	-13.671875	2.0	elbowkick
543	0.313891	-0.392559	-0.971403	-1.953125	-13.671875	-3.906250	2.0	elbowkick
544	0.344585	-0.335535	-0.964092	17.578125	-9.765625	-21.484375	0.0	elbowkick
545	0.363001	-0.295071	-0.959705	7.812500	-5.859375	-5.859375	0.0	elbowkick
546	0.361550	-0.277043	-0.957073	0.000000	0.000000	-3.906250	0.0	elbowkick
547	0.360680	-0.272476	-0.955494	-1.953125	-1.953125	-3.906250	0.0	elbowkick
548	0.366408	-0.269735	-0.954546	-1.953125	-1.953125	-5.859375	0.0	elbowkick
549	0.376095	-0.274341	-0.953978	-1.953125	-1.953125	-3.906250	0.0	elbowkick
550	0.375657	-0.277105	-0.947387	-1.953125	0.000000	-1.953125	0.0	elbowkick
551	0.375394	-0.278763	-0.943432	0.000000	0.000000	-1.953125	0.0	elbowkick
552	0.375002	-0.278937	-0.953017	-1.953125	-1.953125	-1.953125	1.0	elbowkick
553	0.375001	-0.273612	-0.946810	-1.953125	-1.953125	-1.953125	1.0	elbowkick
554	0.375001	-0.276667	-0.949336	-1.953125	-1.953125	-1.953125	1.0	elbowkick
555	0.375000	-0.284750	-0.950852	0.000000	0.000000	0.000000	1.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
556	0.375000	-0.289600	-0.945511	1.953125	-1.953125	-1.953125	1.0	elbowkick
557	0.368750	-0.298760	-0.948557	1.953125	-1.953125	-3.906250	1.0	elbowkick
558	0.377500	-0.329256	-0.956634	5.859375	-1.953125	13.671875	1.0	elbowkick
559	0.401500	-0.503804	-0.980230	17.578125	-19.531250	50.781250	1.0	elbowkick
560	0.447150	-0.858532	-1.075638	128.906250	-13.671875	41.015625	2.0	elbowkick
561	0.412040	-1.177619	-1.295383	248.046875	19.531250	5.859375	2.0	elbowkick
562	0.247224	-1.212822	-1.420980	248.046875	37.109375	13.671875	2.0	elbowkick
563	0.173334	-0.858943	-1.240088	248.046875	-19.531250	99.609375	2.0	elbowkick
564	0.197751	-0.377866	-0.987803	248.046875	-41.015625	160.156250	2.0	elbowkick
565	0.356150	0.017031	-0.605182	109.375000	-48.828125	134.765625	2.0	elbowkick
566	0.319940	-0.058532	0.161891	-117.187500	19.531250	3.906250	2.0	elbowkick
567	0.248214	-0.366369	0.847135	-52.734375	44.921875	17.578125	2.0	elbowkick
568	0.192678	-0.257321	0.883281	39.062500	21.484375	64.453125	2.0	elbowkick
569	0.128107	-0.235643	0.961218	-9.765625	15.625000	-1.953125	2.0	elbowkick
570	0.108114	-0.241386	0.914231	-66.406250	7.812500	-13.671875	2.0	elbowkick
571	0.058619	-0.219831	0.661039	-158.203125	46.875000	-15.625000	2.0	elbowkick
572	0.047671	-0.225649	0.315373	-250.000000	85.937500	15.625000	2.0	elbowkick
573	-0.127647	-0.247889	-0.060776	-250.000000	113.281250	-85.937500	2.0	elbowkick
574	-0.151588	-0.742484	-0.655216	-250.000000	-3.906250	-250.000000	2.0	elbowkick
575	0.302797	-0.595490	-1.193129	-191.406250	35.156250	167.968750	2.0	elbowkick
576	0.212928	-0.626044	-1.165878	23.437500	58.593750	212.890625	2.0	elbowkick
577	0.259007	-0.494376	-1.080777	58.593750	3.906250	-15.625000	2.0	elbowkick
578	0.292904	-0.377876	-1.035966	-1.953125	1.953125	-54.687500	2.0	elbowkick
579	0.275742	-0.351726	-1.027830	0.000000	13.671875	5.859375	2.0	elbowkick
580	0.290445	-0.311035	-1.010448	19.531250	-13.671875	-5.859375	2.0	elbowkick
581	0.318017	-0.274121	-0.981269	9.765625	-9.765625	-7.812500	0.0	elbowkick
582	0.340810	-0.264473	-0.970011	-1.953125	-7.812500	-17.578125	0.0	elbowkick
583	0.360736	-0.258684	-0.969507	-3.906250	-1.953125	-13.671875	0.0	elbowkick
584	0.366442	-0.261460	-0.962954	-5.859375	0.000000	-7.812500	0.0	elbowkick
585	0.363615	-0.263126	-0.959022	-3.906250	1.953125	-3.906250	0.0	elbowkick
586	0.361919	-0.264126	-0.956663	-1.953125	1.953125	0.000000	0.0	elbowkick
587	0.354651	-0.264725	-0.955248	1.953125	0.000000	1.953125	0.0	elbowkick
588	0.356541	-0.258835	-0.954399	0.000000	-1.953125	0.000000	0.0	elbowkick
589	0.378927	-0.200253	-0.969354	0.000000	-1.953125	0.000000	1.0	elbowkick
590	0.383606	-0.201402	-0.969113	0.000000	-1.953125	0.000000	1.0	elbowkick
591	0.386414	-0.202091	-0.968968	-1.953125	0.000000	0.000000	1.0	elbowkick
592	0.381848	-0.202505	-0.968881	-1.953125	0.000000	0.000000	1.0	elbowkick
593	0.379109	-0.202753	-0.968828	0.000000	-1.953125	-1.953125	1.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
594	0.383715	-0.209152	-0.968797	-1.953125	-1.953125	-1.953125	1.0	elbowkick
595	0.380229	-0.212991	-0.968778	-3.906250	-1.953125	1.953125	1.0	elbowkick
596	0.403138	-0.396545	-0.981267	-3.906250	-15.625000	83.984375	1.0	elbowkick
597	0.423133	-0.794177	-1.113760	97.656250	-13.671875	27.343750	2.0	elbowkick
598	0.316380	-1.014006	-1.374506	238.281250	-21.484375	31.250000	2.0	elbowkick
599	0.202328	-1.083404	-1.487204	248.046875	-56.640625	-23.437500	2.0	elbowkick
600	0.146397	-0.931292	-1.336072	248.046875	-1.953125	-41.015625	2.0	elbowkick
601	0.144088	-0.521275	-1.076643	248.046875	46.875000	48.828125	2.0	elbowkick
602	0.198953	-0.156515	-0.833486	248.046875	-31.250000	167.968750	2.0	elbowkick
603	0.331872	0.181091	-0.400092	58.593750	13.671875	52.734375	2.0	elbowkick
604	0.255373	0.002405	0.478695	-148.437500	-17.578125	-17.578125	2.0	elbowkick
605	0.159474	-0.092307	0.780967	39.062500	56.640625	15.625000	2.0	elbowkick
606	0.164434	-0.180384	0.824830	-25.390625	7.812500	0.000000	2.0	elbowkick
607	0.092411	-0.195731	0.926148	3.906250	33.203125	1.953125	2.0	elbowkick
608	0.055446	-0.179938	0.949439	-3.906250	3.906250	-1.953125	2.0	elbowkick
609	0.083268	-0.132963	0.950913	-31.250000	-5.859375	7.812500	2.0	elbowkick
610	0.081211	-0.029778	0.720548	-154.296875	33.203125	44.921875	2.0	elbowkick
611	-0.013774	-0.030367	0.282329	-250.000000	23.437500	9.765625	2.0	elbowkick
612	-0.064514	-0.261970	-0.380603	-250.000000	66.406250	87.890625	2.0	elbowkick
613	-0.219958	-0.538432	-0.778362	-250.000000	21.484375	29.296875	2.0	elbowkick
614	-0.113225	-0.648059	-0.979517	-162.109375	212.890625	-99.609375	2.0	elbowkick
615	0.269565	-0.895086	-1.350210	-193.359375	29.296875	126.953125	2.0	elbowkick
616	0.261739	-0.593301	-1.260126	146.484375	29.296875	-115.234375	2.0	elbowkick
617	0.232043	-0.343481	-1.124826	46.875000	72.265625	216.796875	2.0	elbowkick
618	0.251726	-0.299838	-1.024895	-11.718750	-3.906250	-25.390625	2.0	elbowkick
619	0.269786	-0.336153	-1.002437	-33.203125	-17.578125	11.718750	2.0	elbowkick
620	0.305621	-0.357942	-0.982712	0.000000	-7.812500	5.859375	2.0	elbowkick
621	0.327123	-0.371015	-0.970877	1.953125	-7.812500	-17.578125	0.0	elbowkick
622	0.340024	-0.347609	-0.957526	5.859375	-5.859375	-19.531250	0.0	elbowkick
623	0.341514	-0.327315	-0.955766	0.000000	1.953125	-3.906250	0.0	elbowkick
624	0.336159	-0.315139	-0.954710	-3.906250	-1.953125	-3.906250	0.0	elbowkick
625	0.332945	-0.314084	-0.954076	-1.953125	0.000000	-3.906250	0.0	elbowkick
626	0.337267	-0.313450	-0.953695	-1.953125	-1.953125	-3.906250	0.0	elbowkick
627	0.339860	-0.306820	-0.953467	0.000000	-1.953125	0.000000	0.0	elbowkick
628	0.341416	-0.309092	-0.953330	-1.953125	-1.953125	-1.953125	0.0	elbowkick
629	0.347307	-0.232558	-0.968750	-1.953125	-1.953125	-1.953125	1.0	elbowkick
630	0.345884	-0.233285	-0.968750	-1.953125	-1.953125	-1.953125	1.0	elbowkick
631	0.345031	-0.233721	-0.968750	-1.953125	-1.953125	0.000000	1.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
632	0.350768	-0.233982	-0.968750	-1.953125	-1.953125	0.000000	1.0	elbowkick
633	0.347961	-0.227889	-0.968750	0.000000	0.000000	0.000000	1.0	elbowkick
634	0.346277	-0.230484	-0.968750	-1.953125	-1.953125	-1.953125	1.0	elbowkick
635	0.339016	-0.263290	-0.968750	-3.906250	-9.765625	19.531250	1.0	elbowkick
636	0.334660	-0.464224	-0.993750	1.953125	-21.484375	87.890625	1.0	elbowkick
637	0.307046	-0.816034	-1.115000	95.703125	-35.156250	35.156250	2.0	elbowkick
638	0.271727	-1.095871	-1.444000	214.843750	-27.343750	-23.437500	2.0	elbowkick
639	0.163036	-1.188772	-1.666400	248.046875	33.203125	-25.390625	2.0	elbowkick
640	0.122822	-0.750763	-1.618590	248.046875	33.203125	82.031250	2.0	elbowkick
641	0.167443	-0.250458	-1.221154	248.046875	-64.453125	187.500000	2.0	elbowkick
642	0.350466	0.093475	-0.888942	132.812500	-91.796875	89.843750	2.0	elbowkick
643	0.410280	0.262335	-0.189615	-123.046875	19.531250	50.781250	2.0	elbowkick
644	0.333668	-0.373849	0.679981	-107.421875	17.578125	3.906250	2.0	elbowkick
645	0.343951	-0.274309	0.714238	15.625000	-54.687500	87.890625	2.0	elbowkick
646	0.325120	-0.308336	0.772293	-11.718750	15.625000	-19.531250	2.0	elbowkick
647	0.282572	-0.272501	0.763376	-58.593750	44.921875	0.000000	2.0	elbowkick
648	0.207043	-0.126001	0.533026	-144.531250	128.906250	44.921875	2.0	elbowkick
649	0.005476	-0.119350	0.126065	-250.000000	203.125000	-1.953125	2.0	elbowkick
650	-0.190464	-0.359110	-0.424361	-250.000000	169.921875	-29.296875	2.0	elbowkick
651	-0.176779	-0.834216	-0.935866	-250.000000	173.828125	-250.000000	2.0	elbowkick
652	0.175183	-0.888030	-1.286520	-150.390625	171.875000	107.421875	2.0	elbowkick
653	0.223860	-0.745318	-1.296912	60.546875	-19.531250	-11.718750	2.0	elbowkick
654	0.203066	-0.422191	-1.134397	76.171875	39.062500	136.718750	2.0	elbowkick
655	0.240589	-0.378314	-1.030638	-29.296875	-11.718750	-11.718750	2.0	elbowkick
656	0.288104	-0.345739	-1.030883	-19.531250	-9.765625	-72.265625	2.0	elbowkick
657	0.310362	-0.326193	-1.012280	3.906250	-3.906250	7.812500	2.0	elbowkick
658	0.323717	-0.283216	-0.988618	1.953125	-5.859375	-13.671875	0.0	elbowkick
659	0.319230	-0.263680	-0.986921	-1.953125	-1.953125	-7.812500	0.0	elbowkick
660	0.322788	-0.251958	-0.979652	0.000000	-5.859375	-1.953125	0.0	elbowkick
661	0.337423	-0.257425	-0.975291	-1.953125	-1.953125	0.000000	0.0	elbowkick
662	0.339954	-0.254455	-0.972675	0.000000	0.000000	-1.953125	0.0	elbowkick
663	0.335222	-0.246423	-0.971105	-1.953125	0.000000	0.000000	0.0	elbowkick
664	0.332383	-0.254104	-0.970163	0.000000	-1.953125	0.000000	0.0	elbowkick
665	0.336930	-0.252462	-0.969598	1.953125	-1.953125	-1.953125	0.0	elbowkick
666	0.347730	-0.256227	-0.968690	0.000000	0.000000	1.953125	1.0	elbowkick
667	0.346138	-0.253736	-0.968714	0.000000	0.000000	1.953125	1.0	elbowkick
668	0.345183	-0.252242	-0.968728	-1.953125	0.000000	-1.953125	1.0	elbowkick
669	0.344610	-0.245095	-0.968737	-1.953125	0.000000	0.000000	1.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
670	0.344266	-0.247057	-0.968742	-1.953125	0.000000	-1.953125	1.0	elbowkick
671	0.350309	-0.248234	-0.968745	-3.906250	0.000000	1.953125	1.0	elbowkick
672	0.353936	-0.255191	-0.962497	-7.812500	-3.906250	25.390625	1.0	elbowkick
673	0.312361	-0.428114	-0.996248	-41.015625	-21.484375	160.156250	1.0	elbowkick
674	0.162417	-0.888119	-1.147749	80.078125	-5.859375	68.359375	2.0	elbowkick
675	0.003700	-1.157871	-1.488649	248.046875	-78.125000	21.484375	2.0	elbowkick
676	-0.054030	-1.188473	-1.693190	248.046875	-162.109375	15.625000	2.0	elbowkick
677	0.042582	-0.713084	-1.634664	248.046875	-146.484375	41.015625	2.0	elbowkick
678	0.200549	-0.252850	-1.355798	248.046875	-89.843750	109.375000	2.0	elbowkick
679	0.407830	0.198290	-0.982229	95.703125	-62.500000	46.875000	2.0	elbowkick
680	0.450948	-0.024776	-0.033087	-244.140625	0.000000	50.781250	2.0	elbowkick
681	0.401819	-0.252366	0.517648	21.484375	7.812500	-37.109375	2.0	elbowkick
682	0.403591	-0.301419	0.566839	0.000000	29.296875	91.796875	2.0	elbowkick
683	0.298405	-0.212102	0.558853	-72.265625	107.421875	-17.578125	2.0	elbowkick
684	0.166543	-0.158511	0.379062	-222.656250	115.234375	31.250000	2.0	elbowkick
685	-0.043824	-0.176357	0.008687	-250.000000	111.328125	72.265625	2.0	elbowkick
686	-0.138795	-0.449564	-0.569788	-250.000000	125.000000	-41.015625	2.0	elbowkick
687	-0.095777	-0.569738	-0.998123	-250.000000	207.031250	-29.296875	2.0	elbowkick
688	-0.019966	-0.616843	-1.230124	-185.546875	54.687500	-70.312500	2.0	elbowkick
689	0.169270	-0.545106	-1.219324	134.765625	-9.765625	-21.484375	2.0	elbowkick
690	0.182812	-0.345813	-1.081594	41.015625	23.437500	39.062500	2.0	elbowkick
691	0.215937	-0.301238	-1.030207	-19.531250	9.765625	-21.484375	2.0	elbowkick
692	0.223312	-0.299493	-1.030624	-5.859375	-9.765625	-19.531250	2.0	elbowkick
693	0.296487	-0.279696	-1.012124	19.531250	-23.437500	-25.390625	2.0	elbowkick
694	0.359142	-0.217817	-0.988525	3.906250	-1.953125	-23.437500	0.0	elbowkick
695	0.352985	-0.224440	-0.986865	-3.906250	0.000000	5.859375	0.0	elbowkick
696	0.343041	-0.222164	-0.979619	0.000000	0.000000	0.000000	0.0	elbowkick
697	0.337075	-0.220799	-0.975271	0.000000	-1.953125	0.000000	0.0	elbowkick
698	0.345995	-0.219979	-0.972663	0.000000	-1.953125	-3.906250	0.0	elbowkick
699	0.351347	-0.213237	-0.971098	-1.953125	1.953125	0.000000	0.0	elbowkick
700	0.354558	-0.221692	-0.970159	-1.953125	0.000000	0.000000	0.0	elbowkick
701	0.350235	-0.220515	-0.969595	-1.953125	0.000000	0.000000	0.0	elbowkick
702	0.345722	-0.218751	-0.968788	0.000000	-1.953125	-3.906250	1.0	elbowkick
703	0.344933	-0.212501	-0.968773	0.000000	-1.953125	-1.953125	1.0	elbowkick
704	0.344460	-0.215000	-0.968764	-1.953125	0.000000	-1.953125	1.0	elbowkick
705	0.344176	-0.216500	-0.968758	-1.953125	-1.953125	-1.953125	1.0	elbowkick
706	0.344006	-0.217400	-0.968755	0.000000	-1.953125	-1.953125	1.0	elbowkick
707	0.337653	-0.224190	-0.975003	-3.906250	-3.906250	1.953125	1.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
708	0.321342	-0.347014	-0.991252	5.859375	-11.718750	68.359375	1.0	elbowkick
709	0.274055	-0.658208	-1.007251	29.296875	-33.203125	107.421875	1.0	elbowkick
710	0.158183	-0.976175	-1.185601	126.953125	-39.062500	89.843750	2.0	elbowkick
711	0.007410	-1.148205	-1.511360	248.046875	-52.734375	72.265625	2.0	elbowkick
712	0.035696	-0.913923	-1.681816	248.046875	-128.906250	35.156250	2.0	elbowkick
713	0.133918	-0.510854	-1.365340	248.046875	-123.046875	41.015625	2.0	elbowkick
714	0.236601	-0.162762	-0.987954	236.328125	-95.703125	105.468750	2.0	elbowkick
715	0.341960	0.089843	-0.324022	48.828125	-29.296875	44.921875	2.0	elbowkick
716	0.273926	-0.071094	0.505587	-62.500000	-37.109375	-183.593750	2.0	elbowkick
717	0.233106	-0.042657	0.653352	19.531250	13.671875	150.390625	2.0	elbowkick
718	0.208613	-0.063094	0.742011	-44.921875	29.296875	-39.062500	2.0	elbowkick
719	0.156418	-0.044106	0.613957	-130.859375	54.687500	27.343750	2.0	elbowkick
720	0.106351	-0.051464	0.318374	-250.000000	126.953125	11.718750	2.0	elbowkick
721	0.020061	-0.299628	-0.121476	-250.000000	125.000000	-33.203125	2.0	elbowkick
722	-0.175464	-0.673527	-0.572885	-250.000000	117.187500	-130.859375	2.0	elbowkick
723	0.000972	-0.816616	-1.062481	-250.000000	-9.765625	-111.328125	2.0	elbowkick
724	0.238083	-0.933720	-1.212489	19.531250	136.718750	-62.500000	2.0	elbowkick
725	0.311600	-0.678982	-1.102493	33.203125	19.531250	44.921875	2.0	elbowkick
726	0.305710	-0.532389	-1.005246	-13.671875	1.953125	15.625000	2.0	elbowkick
727	0.302176	-0.494433	-0.996898	-29.296875	0.000000	19.531250	2.0	elbowkick
728	0.275056	-0.427910	-0.985639	-9.765625	1.953125	-7.812500	2.0	elbowkick
729	0.277533	-0.412996	-0.972633	-3.906250	-1.953125	-5.859375	2.0	elbowkick
730	0.310270	-0.385298	-0.958580	7.812500	-1.953125	-21.484375	0.0	elbowkick
731	0.317412	-0.343679	-0.956398	0.000000	-1.953125	-7.812500	0.0	elbowkick
732	0.315447	-0.318707	-0.955089	-1.953125	-3.906250	-5.859375	0.0	elbowkick
733	0.320518	-0.316224	-0.954303	0.000000	-3.906250	-1.953125	0.0	elbowkick
734	0.323561	-0.302235	-0.953832	1.953125	-3.906250	-3.906250	0.0	elbowkick
735	0.325387	-0.287591	-0.953549	1.953125	-1.953125	-1.953125	0.0	elbowkick
736	0.326482	-0.297554	-0.953380	-3.906250	0.000000	7.812500	0.0	elbowkick
737	0.327139	-0.309783	-0.953278	-1.953125	0.000000	-1.953125	0.0	elbowkick
738	0.395115	-0.273870	-0.943505	-1.953125	3.906250	1.953125	1.0	elbowkick
739	0.399569	-0.270572	-0.941103	-5.859375	7.812500	1.953125	1.0	elbowkick
740	0.402241	-0.268593	-0.939662	-5.859375	7.812500	-1.953125	1.0	elbowkick
741	0.410095	-0.273656	-0.938797	-5.859375	7.812500	7.812500	1.0	elbowkick
742	0.408557	-0.276694	-0.932028	-7.812500	5.859375	9.765625	1.0	elbowkick
743	0.420134	-0.278516	-0.915467	-5.859375	1.953125	7.812500	1.0	elbowkick
744	0.402080	-0.310860	-0.918030	-11.718750	0.000000	78.125000	1.0	elbowkick
745	0.334998	-0.455266	-0.950818	11.718750	-27.343750	107.421875	1.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
746	0.194749	-0.748159	-1.076741	107.421875	-91.796875	52.734375	2.0	elbowkick
747	0.091849	-1.023896	-1.114795	148.437500	-187.500000	109.375000	2.0	elbowkick
748	-0.288640	-1.314337	-1.300127	248.046875	-74.218750	-19.531250	2.0	elbowkick
749	-0.554434	-1.194852	-1.361326	248.046875	-158.203125	-5.859375	2.0	elbowkick
750	-0.338911	-0.698161	-1.179296	248.046875	-240.234375	44.921875	2.0	elbowkick
751	0.127904	-0.250147	-0.963827	107.421875	-210.937500	166.015625	2.0	elbowkick
752	0.414242	-0.025088	-0.753296	-48.828125	-56.640625	42.968750	2.0	elbowkick
753	0.336045	-0.352553	-0.064478	-150.390625	68.359375	58.593750	2.0	elbowkick
754	0.270377	-0.999032	0.755063	-125.000000	-103.515625	-25.390625	2.0	elbowkick
755	0.418476	-0.736919	0.503038	91.796875	-70.312500	82.031250	2.0	elbowkick
756	0.457336	-0.748401	0.526823	-33.203125	35.156250	-27.343750	2.0	elbowkick
757	0.374401	-0.699041	0.559844	-37.109375	91.796875	46.875000	2.0	elbowkick
758	0.293391	-0.544425	0.410906	-107.421875	160.156250	44.921875	2.0	elbowkick
759	0.101035	-0.407905	0.115294	-166.015625	248.046875	19.531250	2.0	elbowkick
760	-0.145629	-0.450993	-0.230824	-250.000000	146.484375	-85.937500	2.0	elbowkick
761	-0.012378	-0.801846	-0.757244	-250.000000	123.046875	-87.890625	2.0	elbowkick
762	0.217573	-0.799857	-1.054347	-80.078125	162.109375	-5.859375	2.0	elbowkick
763	0.336794	-0.704914	-1.101358	48.828125	3.906250	-13.671875	2.0	elbowkick
764	0.333326	-0.535449	-1.004565	25.390625	19.531250	37.109375	2.0	elbowkick
765	0.318746	-0.421269	-0.952739	-19.531250	-7.812500	-42.968750	2.0	elbowkick
766	0.359998	-0.402762	-0.946643	-33.203125	-15.625000	7.812500	2.0	elbowkick
767	0.372249	-0.416657	-0.955486	-9.765625	-1.953125	11.718750	2.0	elbowkick
768	0.373349	-0.349994	-0.954542	11.718750	-5.859375	-19.531250	0.0	elbowkick
769	0.380259	-0.309996	-0.947725	5.859375	-5.859375	-9.765625	0.0	elbowkick
770	0.396906	-0.273498	-0.943635	-3.906250	-1.953125	-3.906250	0.0	elbowkick
771	0.394393	-0.270349	-0.941181	-5.859375	0.000000	3.906250	0.0	elbowkick
772	0.386636	-0.293459	-0.945959	1.953125	-3.906250	-3.906250	0.0	elbowkick
773	0.394482	-0.282326	-0.936325	0.000000	-1.953125	-3.906250	0.0	elbowkick
774	0.392939	-0.294395	-0.936795	0.000000	-1.953125	-1.953125	0.0	elbowkick
775	0.392013	-0.282887	-0.937077	0.000000	-3.906250	-5.859375	0.0	elbowkick
776	0.411751	-0.294518	-0.921882	-1.953125	0.000000	0.000000	1.0	elbowkick
777	0.409551	-0.295461	-0.921879	-1.953125	-1.953125	0.000000	1.0	elbowkick
778	0.414480	-0.289777	-0.921877	-1.953125	-1.953125	-1.953125	1.0	elbowkick
779	0.423688	-0.286366	-0.928126	-1.953125	0.000000	-1.953125	1.0	elbowkick
780	0.447963	-0.284320	-0.925626	0.000000	3.906250	3.906250	1.0	elbowkick
781	0.462528	-0.301842	-0.917876	-1.953125	13.671875	17.578125	1.0	elbowkick
782	0.377517	-0.362355	-0.906975	-13.671875	9.765625	17.578125	1.0	elbowkick
783	0.257760	-0.592413	-0.937935	-3.906250	-35.156250	39.062500	1.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
784	0.292156	-0.942948	-1.094011	125.000000	-103.515625	-7.812500	2.0	elbowkick
785	0.350294	-1.215769	-1.412657	248.046875	-62.500000	-1.953125	2.0	elbowkick
786	0.197676	-1.291961	-1.578844	248.046875	-23.437500	50.781250	2.0	elbowkick
787	0.087356	-0.950177	-1.447306	248.046875	-39.062500	23.437500	2.0	elbowkick
788	0.139913	-0.538856	-1.112134	248.046875	-105.468750	101.562500	2.0	elbowkick
789	0.252698	-0.142064	-0.804780	138.671875	-50.781250	-3.906250	2.0	elbowkick
790	0.376619	0.152262	-0.389118	-44.921875	-72.265625	7.812500	2.0	elbowkick
791	0.363471	-0.046143	0.316529	-169.921875	31.250000	72.265625	2.0	elbowkick
792	0.443083	-0.508936	0.839917	-109.375000	-13.671875	-13.671875	2.0	elbowkick
793	0.384600	-0.461611	0.803950	48.828125	39.062500	33.203125	2.0	elbowkick
794	0.330760	-0.420717	0.757370	-23.437500	21.484375	9.765625	2.0	elbowkick
795	0.242206	-0.396180	0.648172	-76.171875	111.328125	23.437500	2.0	elbowkick
796	0.095324	-0.325208	0.445153	-164.062500	156.250000	46.875000	2.0	elbowkick
797	-0.105306	-0.388875	0.135842	-250.000000	193.359375	13.671875	2.0	elbowkick
798	-0.156934	-0.577075	-0.343495	-250.000000	107.421875	-103.515625	2.0	elbowkick
799	-0.031660	-0.633745	-0.799847	-250.000000	74.218750	-250.000000	2.0	elbowkick
800	0.281004	-0.867747	-1.161158	-82.031250	117.187500	210.937500	2.0	elbowkick
801	0.287352	-0.658148	-1.109195	82.031250	-41.015625	31.250000	2.0	elbowkick
802	0.297411	-0.444889	-0.984267	15.625000	9.765625	-5.859375	2.0	elbowkick
803	0.303447	-0.379433	-0.984310	-42.968750	17.578125	-17.578125	2.0	elbowkick
804	0.325818	-0.371410	-0.990586	-5.859375	-7.812500	-13.671875	2.0	elbowkick
805	0.357991	-0.322846	-0.969352	15.625000	-7.812500	7.812500	2.0	elbowkick
806	0.377295	-0.287458	-0.956611	1.953125	-3.906250	1.953125	0.0	elbowkick
807	0.382627	-0.278725	-0.948967	1.953125	0.000000	-1.953125	0.0	elbowkick
808	0.379576	-0.273485	-0.944380	-1.953125	0.000000	-1.953125	0.0	elbowkick
809	0.383996	-0.276591	-0.941628	-1.953125	-1.953125	-5.859375	0.0	elbowkick
810	0.392897	-0.278455	-0.946227	0.000000	-1.953125	-1.953125	0.0	elbowkick
811	0.398238	-0.273323	-0.948986	1.953125	-1.953125	-1.953125	0.0	elbowkick
812	0.401443	-0.270244	-0.944392	0.000000	0.000000	-1.953125	0.0	elbowkick
813	0.397116	-0.268396	-0.941635	-1.953125	0.000000	-1.953125	0.0	elbowkick
814	0.391975	-0.251177	-0.948335	-1.953125	0.000000	0.000000	1.0	elbowkick
815	0.391435	-0.250706	-0.950251	0.000000	0.000000	0.000000	1.0	elbowkick
816	0.391111	-0.250424	-0.951401	-1.953125	0.000000	0.000000	1.0	elbowkick
817	0.397167	-0.250254	-0.952090	-1.953125	0.000000	-1.953125	1.0	elbowkick
818	0.400800	-0.256403	-0.952504	-1.953125	0.000000	-1.953125	1.0	elbowkick
819	0.390480	-0.285092	-0.952753	-1.953125	-1.953125	0.000000	1.0	elbowkick
820	0.359288	-0.396055	-0.971652	-1.953125	-15.625000	70.312500	1.0	elbowkick
821	0.278073	-0.681383	-1.026741	64.453125	-35.156250	111.328125	1.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
822	0.216844	-0.971330	-1.066045	169.921875	-85.937500	-7.812500	2.0	elbowkick
823	0.180106	-1.126548	-1.220877	248.046875	-27.343750	-37.109375	2.0	elbowkick
824	0.114314	-1.100929	-1.251276	248.046875	-42.968750	19.531250	2.0	elbowkick
825	0.043588	-0.960557	-1.100766	248.046875	-93.750000	64.453125	2.0	elbowkick
826	0.051153	-0.588834	-0.810459	248.046875	-125.000000	142.578125	2.0	elbowkick
827	0.186942	-0.265801	-0.630026	140.625000	-162.109375	185.546875	2.0	elbowkick
828	0.355915	-0.190730	-0.334265	-23.437500	-117.187500	105.468750	2.0	elbowkick
829	0.369799	-0.408188	0.424441	-41.015625	35.156250	-19.531250	2.0	elbowkick
830	0.384379	-0.388663	0.873414	23.437500	-58.593750	39.062500	2.0	elbowkick
831	0.480628	-0.383198	0.799049	-39.062500	39.062500	-27.343750	2.0	elbowkick
832	0.319627	-0.304919	0.654429	-70.312500	175.781250	15.625000	2.0	elbowkick
833	0.104276	-0.226701	0.348908	-222.656250	248.046875	-87.890625	2.0	elbowkick
834	-0.043684	-0.411021	-0.096905	-250.000000	248.046875	-142.578125	2.0	elbowkick
835	0.092539	-0.615362	-0.589393	-250.000000	91.796875	-250.000000	2.0	elbowkick
836	0.255524	-0.525467	-1.153636	-187.500000	-25.390625	31.250000	2.0	elbowkick
837	0.159564	-0.927780	-1.073432	-64.453125	60.546875	-109.375000	2.0	elbowkick
838	0.226988	-0.487918	-1.150309	146.484375	60.546875	109.375000	2.0	elbowkick
839	0.242443	-0.405251	-0.977685	-1.953125	-9.765625	68.359375	2.0	elbowkick
840	0.364216	-0.374401	-0.974111	-35.156250	-19.531250	-17.578125	2.0	elbowkick
841	0.374780	-0.349640	-0.965717	7.812500	-7.812500	-31.250000	2.0	elbowkick
842	0.368618	-0.303534	-0.954430	-1.953125	-3.906250	-3.906250	0.0	elbowkick
843	0.364921	-0.282121	-0.953908	-7.812500	-5.859375	-9.765625	0.0	elbowkick
844	0.375202	-0.306772	-0.953595	-7.812500	-3.906250	11.718750	0.0	elbowkick
845	0.381371	-0.290313	-0.953407	3.906250	-3.906250	-7.812500	0.0	elbowkick
846	0.378823	-0.274188	-0.947044	-1.953125	-3.906250	5.859375	0.0	elbowkick
847	0.383544	-0.295763	-0.943226	0.000000	-1.953125	1.953125	0.0	elbowkick
848	0.386376	-0.289958	-0.947186	7.812500	0.000000	-7.812500	0.0	elbowkick
849	0.388076	-0.280225	-0.943312	0.000000	-1.953125	0.000000	0.0	elbowkick
850	0.377025	-0.277468	-0.946278	-1.953125	0.000000	0.000000	1.0	elbowkick
851	0.376215	-0.278981	-0.942767	0.000000	0.000000	3.906250	1.0	elbowkick
852	0.375729	-0.279889	-0.940660	-1.953125	0.000000	-1.953125	1.0	elbowkick
853	0.381687	-0.280433	-0.939396	-1.953125	-1.953125	0.000000	1.0	elbowkick
854	0.391512	-0.287010	-0.938638	0.000000	1.953125	1.953125	1.0	elbowkick
855	0.397407	-0.290956	-0.938183	0.000000	5.859375	9.765625	1.0	elbowkick
856	0.394694	-0.324574	-0.931660	-3.906250	3.906250	46.875000	1.0	elbowkick
857	0.299317	-0.550994	-0.996496	-17.578125	-5.859375	158.203125	1.0	elbowkick
858	0.135840	-0.849346	-1.085397	89.843750	-52.734375	48.828125	2.0	elbowkick
859	0.031504	-1.172108	-1.301238	208.984375	-130.859375	33.203125	2.0	elbowkick

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
860	-0.124848	-1.165765	-1.499493	248.046875	-128.906250	60.546875	2.0	elbowkick
861	-0.193659	-1.005709	-1.405946	248.046875	-162.109375	9.765625	2.0	elbowkick
862	-0.103695	-0.609675	-1.062318	248.046875	-203.125000	68.359375	2.0	elbowkick
863	0.144033	-0.259555	-0.749891	125.000000	-167.968750	78.125000	2.0	elbowkick
864	0.373920	-0.055733	-0.499934	44.921875	-99.609375	74.218750	2.0	elbowkick
865	0.524352	-0.070940	-0.218711	-68.359375	0.000000	15.625000	2.0	elbowkick
866	0.327111	-0.311314	0.343774	-64.453125	183.593750	52.734375	2.0	elbowkick
867	-0.009983	-0.624288	1.000014	-37.109375	-56.640625	-148.437500	2.0	elbowkick
868	0.194010	-0.580823	0.806259	25.390625	-56.640625	117.187500	2.0	elbowkick
869	0.153906	-0.460994	0.652505	-41.015625	138.671875	-19.531250	2.0	elbowkick
870	0.067344	-0.364096	0.479003	-138.671875	156.250000	-9.765625	2.0	elbowkick
871	-0.028344	-0.362208	0.187402	-232.421875	248.046875	5.859375	2.0	elbowkick
872	-0.317006	-0.517325	-0.231309	-250.000000	236.328125	-37.109375	2.0	elbowkick
873	-0.390204	-0.741645	-0.701285	-250.000000	68.359375	-185.546875	2.0	elbowkick
874	0.053378	-0.926237	-1.114521	-33.203125	226.562500	-11.718750	2.0	elbowkick
875	0.138277	-0.905742	-1.043713	-62.500000	19.531250	138.671875	2.0	elbowkick
876	0.226716	-0.649695	-1.038728	56.640625	5.859375	-60.546875	2.0	elbowkick
877	0.217280	-0.452317	-0.973237	-9.765625	11.718750	-19.531250	2.0	elbowkick
878	0.217868	-0.421390	-0.971442	-19.531250	5.859375	-7.812500	2.0	elbowkick
879	0.255721	-0.384084	-0.976615	7.812500	-29.296875	-31.250000	2.0	elbowkick
880	0.347182	-0.355451	-0.979719	33.203125	-25.390625	-39.062500	0.0	elbowkick
881	0.402059	-0.219520	-0.956581	13.671875	-3.906250	-35.156250	0.0	elbowkick
882	0.409986	-0.250462	-0.955199	-17.578125	3.906250	25.390625	0.0	elbowkick
883	0.383491	-0.262777	-0.954369	-13.671875	5.859375	-13.671875	0.0	elbowkick
884	0.380095	-0.282666	-0.947622	-7.812500	1.953125	-5.859375	0.0	elbowkick
885	0.378057	-0.288350	-0.949823	1.953125	-1.953125	3.906250	0.0	elbowkick
886	0.383084	-0.279260	-0.944894	5.859375	-1.953125	7.812500	0.0	elbowkick
887	0.386100	-0.267556	-0.941936	3.906250	-1.953125	9.765625	0.0	elbowkick
888	0.371132	-0.293324	-0.944357	0.000000	-1.953125	0.000000	1.0	gun
889	0.372679	-0.300994	-0.941614	0.000000	-1.953125	-5.859375	1.0	gun
890	0.373608	-0.299347	-0.946219	1.953125	-1.953125	-5.859375	1.0	gun
891	0.374165	-0.292108	-0.948981	0.000000	-1.953125	-3.906250	1.0	gun
892	0.374499	-0.294015	-0.944389	0.000000	-1.953125	-1.953125	1.0	gun
893	0.368449	-0.288909	-0.941633	0.000000	-1.953125	0.000000	1.0	gun
894	0.371070	-0.304595	-0.946230	-1.953125	-1.953125	1.953125	1.0	gun
895	0.422642	-0.414007	-0.992738	23.437500	-11.718750	7.812500	1.0	gun
896	0.503585	-0.885904	-1.133143	134.765625	-3.906250	154.296875	2.0	gun
897	0.439651	-1.244043	-1.204886	248.046875	-25.390625	72.265625	2.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
898	0.276291	-0.933926	-0.879181	248.046875	-7.812500	35.156250	2.0	gun
899	0.134524	-0.385355	-0.352509	210.937500	66.406250	-21.484375	2.0	gun
900	0.149465	-0.199963	-0.255255	-140.625000	70.312500	-3.906250	2.0	gun
901	0.108429	-0.576228	-0.515653	-250.000000	66.406250	105.468750	2.0	gun
902	-0.197443	-1.145737	-0.590642	-19.531250	-7.812500	27.343750	2.0	gun
903	-0.180966	-1.487442	-1.073135	248.046875	-181.640625	42.968750	2.0	gun
904	0.116421	-0.704965	-0.800131	248.046875	-119.140625	101.562500	2.0	gun
905	0.201102	0.052021	-0.355079	142.578125	-15.625000	103.515625	2.0	gun
906	0.201911	0.287463	0.080703	-21.484375	-13.671875	17.578125	2.0	gun
907	0.158647	0.234978	0.379672	-64.453125	-15.625000	44.921875	2.0	gun
908	0.132688	0.159737	0.540303	-87.890625	-5.859375	52.734375	2.0	gun
909	0.079613	0.064592	0.686682	-152.343750	-9.765625	-13.671875	2.0	gun
910	0.060268	-0.023745	0.649509	-250.000000	-27.343750	72.265625	2.0	gun
911	0.004911	-0.120497	0.452205	-250.000000	52.734375	70.312500	2.0	gun
912	-0.084554	-0.353548	0.108823	-250.000000	35.156250	37.109375	2.0	gun
913	0.080518	-0.705879	-0.378456	-250.000000	109.375000	-80.078125	2.0	gun
914	0.073311	-0.904777	-0.858324	-246.093750	216.796875	-130.859375	2.0	gun
915	0.337736	-0.736616	-1.089994	-123.046875	-44.921875	169.921875	2.0	gun
916	0.358892	-0.685720	-1.060247	5.859375	7.812500	21.484375	2.0	gun
917	0.346585	-0.486432	-1.023648	7.812500	-5.859375	-11.718750	2.0	gun
918	0.320451	-0.379359	-0.995439	-21.484375	9.765625	-3.906250	2.0	gun
919	0.323521	-0.371365	-0.997263	-9.765625	-1.953125	11.718750	2.0	gun
920	0.350362	-0.304069	-0.979608	9.765625	-1.953125	-23.437500	2.0	gun
921	0.341467	-0.263692	-0.975265	-1.953125	-3.906250	-3.906250	0.0	gun
922	0.342380	-0.251965	-0.972659	0.000000	-3.906250	-7.812500	0.0	gun
923	0.342928	-0.244929	-0.971095	0.000000	-3.906250	-5.859375	0.0	gun
924	0.337007	-0.234457	-0.976407	1.953125	-1.953125	-5.859375	0.0	gun
925	0.339704	-0.228174	-0.979594	0.000000	0.000000	-1.953125	0.0	gun
926	0.365007	-0.251879	-0.959388	0.000000	-1.953125	0.000000	1.0	gun
927	0.362754	-0.257378	-0.956883	-1.953125	-1.953125	1.953125	1.0	gun
928	0.361402	-0.260677	-0.955380	-1.953125	-1.953125	0.000000	1.0	gun
929	0.360591	-0.262656	-0.954478	0.000000	-1.953125	0.000000	1.0	gun
930	0.366355	-0.288844	-0.960187	3.906250	-3.906250	-3.906250	1.0	gun
931	0.388563	-0.392056	-1.019862	-3.906250	-42.968750	1.953125	1.0	gun
932	0.451888	-0.772734	-1.224417	150.390625	-41.015625	56.640625	0.0	gun
933	0.346133	-1.094890	-1.253400	248.046875	-48.828125	37.109375	0.0	gun
934	0.276430	-0.894434	-0.939540	248.046875	-9.765625	-13.671875	2.0	gun
935	0.203358	-0.492910	-0.488724	248.046875	85.937500	7.812500	2.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
936	0.222015	-0.176996	-0.268234	41.015625	132.812500	-27.343750	2.0	gun
937	0.139459	-0.337448	-0.385941	-250.000000	99.609375	-13.671875	2.0	gun
938	-0.072575	-1.002469	-0.450314	-177.734375	-1.953125	-87.890625	2.0	gun
939	-0.274795	-1.401481	-0.951439	248.046875	-83.984375	111.328125	2.0	gun
940	0.003873	-0.884639	-0.770863	248.046875	-214.843750	89.843750	2.0	gun
941	0.158574	0.081717	-0.393768	216.796875	-46.875000	80.078125	2.0	gun
942	0.157644	0.374030	0.007489	-3.906250	-1.953125	17.578125	2.0	gun
943	0.100837	0.349418	0.379494	-13.671875	-1.953125	-3.906250	2.0	gun
944	0.060502	0.340901	0.615196	-9.765625	-5.859375	-1.953125	2.0	gun
945	0.055051	0.342040	0.744118	-7.812500	-7.812500	-15.625000	2.0	gun
946	0.033031	0.336474	0.815221	-15.625000	-3.906250	-9.765625	2.0	gun
947	0.044818	0.295635	0.795382	-25.390625	0.000000	9.765625	2.0	gun
948	0.070641	0.283631	0.720979	-83.984375	5.859375	1.953125	2.0	gun
949	0.036135	0.113928	0.720088	-167.968750	-3.906250	-50.781250	2.0	gun
950	-0.034569	-0.000393	0.557053	-250.000000	46.875000	5.859375	2.0	gun
951	-0.058242	-0.212736	0.171732	-250.000000	87.890625	-33.203125	2.0	gun
952	0.008805	-0.608891	-0.153211	-250.000000	29.296875	-109.375000	2.0	gun
953	0.080283	-0.771585	-0.541927	-250.000000	29.296875	-56.640625	2.0	gun
954	0.254420	-0.844201	-0.918906	-146.484375	39.062500	-29.296875	2.0	gun
955	0.315152	-0.950271	-0.976344	-31.250000	60.546875	103.515625	2.0	gun
956	0.351591	-0.657662	-0.967056	60.546875	-23.437500	-83.984375	2.0	gun
957	0.348455	-0.482097	-0.936484	-13.671875	-1.953125	13.671875	2.0	gun
958	0.346573	-0.433008	-0.949390	-13.671875	-1.953125	-11.718750	2.0	gun
959	0.376694	-0.391055	-0.938384	9.765625	-5.859375	-23.437500	2.0	gun
960	0.382266	-0.340883	-0.938030	0.000000	-5.859375	-15.625000	0.0	gun
961	0.373110	-0.317030	-0.944068	1.953125	-3.906250	-7.812500	0.0	gun
962	0.380116	-0.315218	-0.947691	0.000000	-1.953125	0.000000	0.0	gun
963	0.384320	-0.314131	-0.937365	9.765625	-3.906250	-15.625000	0.0	gun
964	0.380592	-0.288478	-0.937419	0.000000	0.000000	-3.906250	0.0	gun
965	0.328182	-0.291365	-0.958444	0.000000	-1.953125	1.953125	1.0	gun
966	0.321909	-0.293569	-0.962566	-1.953125	-1.953125	1.953125	1.0	gun
967	0.318145	-0.294891	-0.958790	0.000000	-1.953125	0.000000	1.0	gun
968	0.315887	-0.295685	-0.956524	-1.953125	-1.953125	1.953125	1.0	gun
969	0.314532	-0.302411	-0.961414	-1.953125	-1.953125	0.000000	1.0	gun
970	0.319969	-0.300197	-0.964349	0.000000	-1.953125	0.000000	1.0	gun
971	0.329482	-0.323868	-0.984859	1.953125	-13.671875	9.765625	1.0	gun
972	0.366439	-0.550571	-1.047165	29.296875	-15.625000	39.062500	1.0	gun
973	0.338613	-0.886592	-1.097049	119.140625	-37.109375	39.062500	2.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
974	0.221918	-1.113205	-1.101980	244.140625	-19.531250	-39.062500	2.0	gun
975	0.133151	-1.130423	-0.961188	248.046875	19.531250	-42.968750	2.0	gun
976	0.167390	-0.747004	-0.639213	248.046875	89.843750	11.718750	2.0	gun
977	0.175434	-0.385702	-0.483528	-42.968750	105.468750	54.687500	2.0	gun
978	0.155261	-0.618921	-0.390117	-185.546875	29.296875	37.109375	2.0	gun
979	-0.063094	-1.115103	-0.371570	-74.218750	56.640625	48.828125	2.0	gun
980	-0.275356	-1.469062	-0.629192	248.046875	-148.437500	74.218750	2.0	gun
981	-0.077714	-0.950187	-0.521265	248.046875	-154.296875	13.671875	2.0	gun
982	0.065872	-0.088862	-0.225259	248.046875	-19.531250	54.687500	2.0	gun
983	0.114523	0.427933	0.108595	21.484375	1.953125	23.437500	2.0	gun
984	0.062464	0.413010	0.352657	-128.906250	15.625000	5.859375	2.0	gun
985	-0.012522	0.179056	0.499094	-97.656250	-3.906250	-1.953125	2.0	gun
986	-0.070013	-0.030067	0.593206	-138.671875	-25.390625	5.859375	2.0	gun
987	-0.060758	-0.018040	0.474674	-216.796875	-42.968750	13.671875	2.0	gun
988	-0.073955	-0.304574	0.247304	-250.000000	-31.250000	19.531250	2.0	gun
989	-0.100623	-0.576494	-0.107867	-250.000000	-39.062500	-19.531250	2.0	gun
990	0.164626	-0.795897	-0.489720	-250.000000	29.296875	-123.046875	2.0	gun
991	0.248776	-0.590038	-0.856332	-210.937500	29.296875	-11.718750	2.0	gun
992	0.243015	-0.860273	-1.070049	-62.500000	99.609375	205.078125	2.0	gun
993	0.314559	-0.647414	-1.054530	74.218750	-17.578125	-99.609375	2.0	gun
994	0.319986	-0.457198	-0.995218	5.859375	1.953125	-5.859375	2.0	gun
995	0.323241	-0.405569	-0.984631	-3.906250	0.000000	-15.625000	2.0	gun
996	0.387695	-0.343341	-0.959528	5.859375	0.000000	-13.671875	2.0	gun
997	0.382617	-0.324755	-0.950717	-3.906250	-3.906250	-5.859375	0.0	gun
998	0.367070	-0.313603	-0.945430	-1.953125	-3.906250	-7.812500	0.0	gun
999	0.382742	-0.300662	-0.942258	1.953125	-3.906250	-13.671875	0.0	gun
1000	0.385895	-0.286647	-0.946605	1.953125	-3.906250	-9.765625	0.0	gun
1001	0.381537	-0.278238	-0.949213	0.000000	-3.906250	-3.906250	0.0	gun
1002	0.385172	-0.279443	-0.950778	0.000000	-1.953125	0.000000	0.0	gun
1003	0.387353	-0.273916	-0.951717	0.000000	-1.953125	1.953125	0.0	gun
1004	0.382412	-0.270599	-0.952280	0.000000	-1.953125	0.000000	0.0	gun
1005	0.371132	-0.293324	-0.944357	0.000000	-1.953125	0.000000	1.0	gun
1006	0.372679	-0.300994	-0.941614	0.000000	-1.953125	-5.859375	1.0	gun
1007	0.373608	-0.299347	-0.946219	1.953125	-1.953125	-5.859375	1.0	gun
1008	0.374165	-0.292108	-0.948981	0.000000	-1.953125	-3.906250	1.0	gun
1009	0.374499	-0.294015	-0.944389	0.000000	-1.953125	-1.953125	1.0	gun
1010	0.368449	-0.288909	-0.941633	0.000000	-1.953125	0.000000	1.0	gun
1011	0.371070	-0.304595	-0.946230	-1.953125	-1.953125	1.953125	1.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1012	0.422642	-0.414007	-0.992738	23.437500	-11.718750	7.812500	1.0	gun
1013	0.503585	-0.885904	-1.133143	134.765625	-3.906250	154.296875	2.0	gun
1014	0.439651	-1.244043	-1.204886	248.046875	-25.390625	72.265625	2.0	gun
1015	0.276291	-0.933926	-0.879181	248.046875	-7.812500	35.156250	2.0	gun
1016	0.134524	-0.385355	-0.352509	210.937500	66.406250	-21.484375	2.0	gun
1017	0.149465	-0.199963	-0.255255	-140.625000	70.312500	-3.906250	2.0	gun
1018	0.108429	-0.576228	-0.515653	-250.000000	66.406250	105.468750	2.0	gun
1019	-0.197443	-1.145737	-0.590642	-19.531250	-7.812500	27.343750	2.0	gun
1020	-0.180966	-1.487442	-1.073135	248.046875	-181.640625	42.968750	2.0	gun
1021	0.116421	-0.704965	-0.800131	248.046875	-119.140625	101.562500	2.0	gun
1022	0.201102	0.052021	-0.355079	142.578125	-15.625000	103.515625	2.0	gun
1023	0.201911	0.287463	0.080703	-21.484375	-13.671875	17.578125	2.0	gun
1024	0.158647	0.234978	0.379672	-64.453125	-15.625000	44.921875	2.0	gun
1025	0.132688	0.159737	0.540303	-87.890625	-5.859375	52.734375	2.0	gun
1026	0.079613	0.064592	0.686682	-152.343750	-9.765625	-13.671875	2.0	gun
1027	0.060268	-0.023745	0.649509	-250.000000	-27.343750	72.265625	2.0	gun
1028	0.004911	-0.120497	0.452205	-250.000000	52.734375	70.312500	2.0	gun
1029	-0.084554	-0.353548	0.108823	-250.000000	35.156250	37.109375	2.0	gun
1030	0.080518	-0.705879	-0.378456	-250.000000	109.375000	-80.078125	2.0	gun
1031	0.073311	-0.904777	-0.858324	-246.093750	216.796875	-130.859375	2.0	gun
1032	0.337736	-0.736616	-1.089994	-123.046875	-44.921875	169.921875	2.0	gun
1033	0.358892	-0.685720	-1.060247	5.859375	7.812500	21.484375	2.0	gun
1034	0.346585	-0.486432	-1.023648	7.812500	-5.859375	-11.718750	2.0	gun
1035	0.320451	-0.379359	-0.995439	-21.484375	9.765625	-3.906250	2.0	gun
1036	0.323521	-0.371365	-0.997263	-9.765625	-1.953125	11.718750	2.0	gun
1037	0.350362	-0.304069	-0.979608	9.765625	-1.953125	-23.437500	2.0	gun
1038	0.341467	-0.263692	-0.975265	-1.953125	-3.906250	-3.906250	0.0	gun
1039	0.342380	-0.251965	-0.972659	0.000000	-3.906250	-7.812500	0.0	gun
1040	0.342928	-0.244929	-0.971095	0.000000	-3.906250	-5.859375	0.0	gun
1041	0.337007	-0.234457	-0.976407	1.953125	-1.953125	-5.859375	0.0	gun
1042	0.339704	-0.228174	-0.979594	0.000000	0.000000	-1.953125	0.0	gun
1043	0.341323	-0.230655	-0.975257	0.000000	0.000000	1.953125	0.0	gun
1044	0.336044	-0.232143	-0.972654	0.000000	0.000000	0.000000	0.0	gun
1045	0.339126	-0.233036	-0.971092	0.000000	0.000000	1.953125	0.0	gun
1046	0.333057	-0.239246	-0.968755	-1.953125	-1.953125	0.000000	1.0	gun
1047	0.337334	-0.243548	-0.968753	-1.953125	-1.953125	0.000000	1.0	gun
1048	0.333651	-0.239879	-0.968752	-1.953125	-1.953125	0.000000	1.0	gun
1049	0.331440	-0.237677	-0.968751	0.000000	-1.953125	0.000000	1.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1050	0.330114	-0.236356	-0.968751	0.000000	0.000000	0.000000	1.0	gun
1051	0.329319	-0.235564	-0.975000	-1.953125	0.000000	1.953125	1.0	gun
1052	0.335091	-0.241338	-0.972500	0.000000	-1.953125	0.000000	1.0	gun
1053	0.363555	-0.269803	-0.983500	9.765625	-15.625000	5.859375	1.0	gun
1054	0.461883	-0.630632	-1.083850	70.312500	-42.968750	72.265625	2.0	gun
1055	0.439630	-1.003379	-1.106560	248.046875	5.859375	31.250000	2.0	gun
1056	0.313778	-1.027027	-0.951436	248.046875	35.156250	-17.578125	2.0	gun
1057	0.119517	-0.766216	-0.627112	248.046875	78.125000	37.109375	2.0	gun
1058	0.096710	-0.297230	-0.388767	52.734375	68.359375	134.765625	2.0	gun
1059	0.083026	-0.459588	-0.495760	-212.890625	126.953125	21.484375	2.0	gun
1060	-0.143934	-1.075753	-0.628706	-130.859375	9.765625	11.718750	2.0	gun
1061	-0.123861	-1.232952	-1.177224	248.046875	-197.265625	58.593750	2.0	gun
1062	0.119434	-0.296021	-0.756334	248.046875	-41.015625	-37.109375	2.0	gun
1063	0.102910	0.041137	-0.266301	31.250000	3.906250	103.515625	2.0	gun
1064	0.030496	0.087182	0.165220	-25.390625	-21.484375	-9.765625	2.0	gun
1065	-0.019202	-0.016441	0.499132	-41.015625	-31.250000	3.906250	2.0	gun
1066	-0.042771	-0.034864	0.624479	-76.171875	-58.593750	39.062500	2.0	gun
1067	0.024337	-0.033419	0.662187	-109.375000	-60.546875	-25.390625	2.0	gun
1068	0.039602	0.017449	0.591062	-216.796875	-37.109375	39.062500	2.0	gun
1069	0.055011	-0.064531	0.329637	-250.000000	37.109375	44.921875	2.0	gun
1070	-0.010743	-0.401218	-0.033468	-250.000000	101.562500	0.000000	2.0	gun
1071	0.062304	-0.703231	-0.457581	-250.000000	5.859375	-64.453125	2.0	gun
1072	0.068632	-0.921939	-0.843298	-175.781250	105.468750	-66.406250	2.0	gun
1073	0.328679	-0.821913	-1.024729	-5.859375	91.796875	78.125000	2.0	gun
1074	0.359708	-0.755648	-0.989837	3.906250	0.000000	13.671875	2.0	gun
1075	0.334575	-0.534639	-0.962652	5.859375	-7.812500	-68.359375	2.0	gun
1076	0.313245	-0.433283	-0.952591	-17.578125	-1.953125	-15.625000	2.0	gun
1077	0.344197	-0.397470	-0.959055	1.953125	0.000000	-15.625000	2.0	gun
1078	0.369018	-0.325982	-0.950433	1.953125	-3.906250	-11.718750	0.0	gun
1079	0.358911	-0.301839	-0.951510	0.000000	-3.906250	-7.812500	0.0	gun
1080	0.365347	-0.281104	-0.952156	0.000000	-3.906250	-11.718750	0.0	gun
1081	0.369208	-0.262412	-0.958794	0.000000	-1.953125	-7.812500	0.0	gun
1082	0.377775	-0.238697	-0.962776	-1.953125	0.000000	0.000000	0.0	gun
1083	0.376665	-0.249468	-0.958916	-3.906250	0.000000	9.765625	0.0	gun
1084	0.369749	-0.262181	-0.956599	-1.953125	0.000000	3.906250	0.0	gun
1085	0.378099	-0.257309	-0.955210	0.000000	0.000000	0.000000	0.0	gun
1086	0.369904	-0.260779	-0.954646	0.000000	0.000000	0.000000	1.0	gun
1087	0.365692	-0.262718	-0.954037	0.000000	-1.953125	-1.953125	1.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1088	0.369415	-0.263881	-0.953672	-1.953125	-1.953125	-1.953125	1.0	gun
1089	0.371649	-0.258328	-0.953453	-1.953125	0.000000	-1.953125	1.0	gun
1090	0.372990	-0.261247	-0.953322	-1.953125	0.000000	-1.953125	1.0	gun
1091	0.373794	-0.262998	-0.953243	0.000000	0.000000	0.000000	1.0	gun
1092	0.374276	-0.270299	-0.953196	-1.953125	-1.953125	0.000000	1.0	gun
1093	0.437066	-0.437179	-1.059418	-11.718750	-48.828125	5.859375	1.0	gun
1094	0.524739	-0.837308	-1.198151	160.156250	-39.062500	1.953125	2.0	gun
1095	0.483594	-1.002385	-0.993890	248.046875	-5.859375	5.859375	2.0	gun
1096	0.327656	-0.876431	-0.640084	248.046875	68.359375	39.062500	2.0	gun
1097	0.190344	-0.588358	-0.534051	78.125000	115.234375	101.562500	2.0	gun
1098	0.157956	-0.840515	-0.745430	-154.296875	78.125000	39.062500	2.0	gun
1099	-0.092726	-1.304309	-1.116008	248.046875	-54.687500	164.062500	2.0	gun
1100	0.119364	-0.701335	-1.257105	248.046875	-207.031250	136.718750	2.0	gun
1101	0.334119	0.204199	-0.735513	222.656250	-37.109375	60.546875	2.0	gun
1102	0.256721	0.347519	-0.166308	7.812500	17.578125	27.343750	2.0	gun
1103	0.154033	0.183512	0.281465	-17.578125	7.812500	13.671875	2.0	gun
1104	0.029920	0.110107	0.525129	0.000000	5.859375	41.015625	2.0	gun
1105	0.030452	0.184814	0.596328	-3.906250	-33.203125	5.859375	2.0	gun
1106	0.055771	0.279638	0.564047	-164.062500	-37.109375	54.687500	2.0	gun
1107	-0.004037	0.067783	0.450928	-250.000000	42.968750	52.734375	2.0	gun
1108	-0.021172	-0.196830	0.126807	-250.000000	80.078125	-41.015625	2.0	gun
1109	-0.031453	-0.530598	-0.148916	-250.000000	117.187500	-13.671875	2.0	gun
1110	0.056128	-0.749609	-0.589350	-250.000000	19.531250	-46.875000	2.0	gun
1111	0.208677	-0.987265	-1.003610	-130.859375	113.281250	5.859375	2.0	gun
1112	0.262706	-1.123609	-1.064666	-68.359375	44.921875	169.921875	2.0	gun
1113	0.276374	-0.780416	-1.013800	62.500000	-11.718750	-89.843750	2.0	gun
1114	0.303324	-0.524499	-0.977030	0.000000	-3.906250	-27.343750	2.0	gun
1115	0.331995	-0.433450	-0.967468	-13.671875	1.953125	19.531250	2.0	gun
1116	0.349197	-0.378820	-0.955481	0.000000	-1.953125	-1.953125	2.0	gun
1117	0.353268	-0.339792	-0.954538	0.000000	-3.906250	-17.578125	2.0	gun
1118	0.349461	-0.303875	-0.960223	1.953125	-5.859375	-7.812500	0.0	gun
1119	0.347176	-0.282325	-0.957384	0.000000	-1.953125	-5.859375	0.0	gun
1120	0.352056	-0.275645	-0.961930	0.000000	-1.953125	-3.906250	0.0	gun
1121	0.354984	-0.271637	-0.958408	0.000000	-1.953125	-3.906250	0.0	gun
1122	0.350490	-0.269232	-0.956295	-1.953125	-1.953125	3.906250	0.0	gun
1123	0.354044	-0.267789	-0.955027	-1.953125	-1.953125	0.000000	0.0	gun
1124	0.356176	-0.273174	-0.954266	-1.953125	0.000000	-1.953125	0.0	gun
1125	0.351206	-0.276404	-0.953810	0.000000	0.000000	-1.953125	0.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1126	0.328264	-0.258960	-0.965087	1.953125	0.000000	-1.953125	1.0	gun
1127	0.321958	-0.242876	-0.966552	-3.906250	0.000000	5.859375	1.0	gun
1128	0.318175	-0.270725	-0.967431	-1.953125	0.000000	1.953125	1.0	gun
1129	0.322155	-0.268685	-0.967959	0.000000	-1.953125	-7.812500	1.0	gun
1130	0.330793	-0.254961	-0.974525	0.000000	-1.953125	-3.906250	1.0	gun
1131	0.398476	-0.409227	-1.047215	0.000000	-33.203125	13.671875	1.0	gun
1132	0.470335	-0.895536	-1.247079	158.203125	-64.453125	35.156250	0.0	gun
1133	0.350951	-1.274822	-1.385747	248.046875	-42.968750	9.765625	0.0	gun
1134	0.260571	-0.789893	-1.018948	248.046875	29.296875	48.828125	2.0	gun
1135	0.293842	-0.205186	-0.642619	171.875000	164.062500	21.484375	2.0	gun
1136	0.188805	-0.198111	-0.710571	-246.093750	136.718750	-27.343750	2.0	gun
1137	-0.067967	-0.918867	-0.863843	-197.265625	29.296875	1.953125	2.0	gun
1138	-0.115780	-1.351320	-1.293306	248.046875	-189.453125	78.125000	2.0	gun
1139	0.230532	-0.498292	-0.994733	248.046875	-136.718750	58.593750	2.0	gun
1140	0.263319	0.219775	-0.440590	85.937500	-19.531250	89.843750	2.0	gun
1141	0.220492	0.313115	0.079396	-31.250000	7.812500	19.531250	2.0	gun
1142	0.126045	0.206619	0.447638	-31.250000	3.906250	1.953125	2.0	gun
1143	0.088127	0.123971	0.612333	-11.718750	25.390625	3.906250	2.0	gun
1144	0.002876	0.124383	0.579900	-83.984375	17.578125	41.015625	2.0	gun
1145	-0.023274	0.093380	0.579190	-181.640625	-13.671875	-31.250000	2.0	gun
1146	-0.082715	-0.218972	0.497514	-250.000000	66.406250	44.921875	2.0	gun
1147	-0.162129	-0.512633	0.398508	-250.000000	62.500000	-3.906250	2.0	gun
1148	-0.209777	-0.776330	0.207855	-228.515625	85.937500	3.906250	2.0	gun
1149	-0.138366	-0.840798	-0.069037	-250.000000	13.671875	-115.234375	2.0	gun
1150	-0.008020	-0.860729	-0.410172	-248.046875	85.937500	-83.984375	2.0	gun
1151	0.207688	-0.791437	-0.789853	-138.671875	93.750000	13.671875	2.0	gun
1152	0.343363	-0.993612	-0.898912	-50.781250	37.109375	117.187500	2.0	gun
1153	0.337268	-0.702417	-0.901847	62.500000	-29.296875	-99.609375	2.0	gun
1154	0.339861	-0.490200	-0.884858	-5.859375	-17.578125	-11.718750	2.0	gun
1155	0.335166	-0.400370	-0.887165	-31.250000	-5.859375	-44.921875	2.0	gun
1156	0.369850	-0.371472	-0.932299	-21.484375	0.000000	-13.671875	2.0	gun
1157	0.396910	-0.385383	-0.940629	0.000000	-3.906250	3.906250	0.0	gun
1158	0.381896	-0.331230	-0.939378	0.000000	-5.859375	-19.531250	0.0	gun
1159	0.366638	-0.298738	-0.951127	1.953125	-3.906250	-9.765625	0.0	gun
1160	0.369983	-0.279243	-0.951926	0.000000	-3.906250	-1.953125	0.0	gun
1161	0.378240	-0.280046	-0.952406	-1.953125	-1.953125	-1.953125	0.0	gun
1162	0.370694	-0.261777	-0.952693	0.000000	-1.953125	-3.906250	0.0	gun
1163	0.366166	-0.257066	-0.952866	0.000000	-1.953125	0.000000	0.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1164	0.369700	-0.254240	-0.952970	-1.953125	0.000000	1.953125	0.0	gun
1165	0.365007	-0.251879	-0.959388	0.000000	-1.953125	0.000000	1.0	gun
1166	0.362754	-0.257378	-0.956883	-1.953125	-1.953125	1.953125	1.0	gun
1167	0.361402	-0.260677	-0.955380	-1.953125	-1.953125	0.000000	1.0	gun
1168	0.360591	-0.262656	-0.954478	0.000000	-1.953125	0.000000	1.0	gun
1169	0.366355	-0.288844	-0.960187	3.906250	-3.906250	-3.906250	1.0	gun
1170	0.388563	-0.392056	-1.019862	-3.906250	-42.968750	1.953125	1.0	gun
1171	0.451888	-0.772734	-1.224417	150.390625	-41.015625	56.640625	0.0	gun
1172	0.346133	-1.094890	-1.253400	248.046875	-48.828125	37.109375	0.0	gun
1173	0.276430	-0.894434	-0.939540	248.046875	-9.765625	-13.671875	2.0	gun
1174	0.203358	-0.492910	-0.488724	248.046875	85.937500	7.812500	2.0	gun
1175	0.222015	-0.176996	-0.268234	41.015625	132.812500	-27.343750	2.0	gun
1176	0.139459	-0.337448	-0.385941	-250.000000	99.609375	-13.671875	2.0	gun
1177	-0.072575	-1.002469	-0.450314	-177.734375	-1.953125	-87.890625	2.0	gun
1178	-0.274795	-1.401481	-0.951439	248.046875	-83.984375	111.328125	2.0	gun
1179	0.003873	-0.884639	-0.770863	248.046875	-214.843750	89.843750	2.0	gun
1180	0.158574	0.081717	-0.393768	216.796875	-46.875000	80.078125	2.0	gun
1181	0.157644	0.374030	0.007489	-3.906250	-1.953125	17.578125	2.0	gun
1182	0.100837	0.349418	0.379494	-13.671875	-1.953125	-3.906250	2.0	gun
1183	0.060502	0.340901	0.615196	-9.765625	-5.859375	-1.953125	2.0	gun
1184	0.055051	0.342040	0.744118	-7.812500	-7.812500	-15.625000	2.0	gun
1185	0.033031	0.336474	0.815221	-15.625000	-3.906250	-9.765625	2.0	gun
1186	0.044818	0.295635	0.795382	-25.390625	0.000000	9.765625	2.0	gun
1187	0.070641	0.283631	0.720979	-83.984375	5.859375	1.953125	2.0	gun
1188	0.036135	0.113928	0.720088	-167.968750	-3.906250	-50.781250	2.0	gun
1189	-0.034569	-0.000393	0.557053	-250.000000	46.875000	5.859375	2.0	gun
1190	-0.058242	-0.212736	0.171732	-250.000000	87.890625	-33.203125	2.0	gun
1191	0.008805	-0.608891	-0.153211	-250.000000	29.296875	-109.375000	2.0	gun
1192	0.080283	-0.771585	-0.541927	-250.000000	29.296875	-56.640625	2.0	gun
1193	0.254420	-0.844201	-0.918906	-146.484375	39.062500	-29.296875	2.0	gun
1194	0.315152	-0.950271	-0.976344	-31.250000	60.546875	103.515625	2.0	gun
1195	0.351591	-0.657662	-0.967056	60.546875	-23.437500	-83.984375	2.0	gun
1196	0.348455	-0.482097	-0.936484	-13.671875	-1.953125	13.671875	2.0	gun
1197	0.346573	-0.433008	-0.949390	-13.671875	-1.953125	-11.718750	2.0	gun
1198	0.376694	-0.391055	-0.938384	9.765625	-5.859375	-23.437500	2.0	gun
1199	0.382266	-0.340883	-0.938030	0.000000	-5.859375	-15.625000	0.0	gun
1200	0.373110	-0.317030	-0.944068	1.953125	-3.906250	-7.812500	0.0	gun
1201	0.380116	-0.315218	-0.947691	0.000000	-1.953125	0.000000	0.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1202	0.384320	-0.314131	-0.937365	9.765625	-3.906250	-15.625000	0.0	gun
1203	0.380592	-0.288478	-0.937419	0.000000	0.000000	-3.906250	0.0	gun
1204	0.384605	-0.298087	-0.937451	-1.953125	3.906250	5.859375	0.0	gun
1205	0.387013	-0.303852	-0.937471	-1.953125	1.953125	5.859375	0.0	gun
1206	0.382208	-0.307311	-0.931232	-3.906250	1.953125	5.859375	0.0	gun
1207	0.378270	-0.336156	-0.916078	-1.953125	-1.953125	1.953125	1.0	gun
1208	0.376962	-0.345444	-0.918397	1.953125	-5.859375	-13.671875	1.0	gun
1209	0.376177	-0.338516	-0.926038	0.000000	-5.859375	-9.765625	1.0	gun
1210	0.375706	-0.340610	-0.930623	-1.953125	-3.906250	-3.906250	1.0	gun
1211	0.369174	-0.335616	-0.933374	1.953125	-3.906250	-11.718750	1.0	gun
1212	0.377754	-0.320120	-0.935024	0.000000	-3.906250	-7.812500	1.0	gun
1213	0.376653	-0.323322	-0.936015	-1.953125	-3.906250	-3.906250	1.0	gun
1214	0.394742	-0.387743	-0.974109	-1.953125	-15.625000	0.000000	1.0	gun
1215	0.486845	-0.751396	-1.128215	87.890625	-56.640625	23.437500	2.0	gun
1216	0.360857	-1.250837	-1.333179	248.046875	-62.500000	58.593750	2.0	gun
1217	0.204014	-1.006752	-1.243657	248.046875	-39.062500	-9.765625	2.0	gun
1218	0.228659	-0.204051	-0.677444	248.046875	13.671875	107.421875	2.0	gun
1219	0.274695	0.027569	-0.475217	-74.218750	152.343750	-66.406250	2.0	gun
1220	0.077317	-0.358459	-0.628880	-250.000000	128.906250	-83.984375	2.0	gun
1221	-0.247360	-1.015075	-0.446078	-99.609375	3.906250	-44.921875	2.0	gun
1222	-0.417166	-1.409045	-0.748897	248.046875	-162.109375	52.734375	2.0	gun
1223	-0.062800	-0.720427	-0.674338	248.046875	-144.531250	35.156250	2.0	gun
1224	0.143570	0.236494	-0.323353	136.718750	-11.718750	105.468750	2.0	gun
1225	0.136142	0.335646	0.049738	-35.156250	15.625000	42.968750	2.0	gun
1226	0.081685	0.357638	0.386093	-9.765625	1.953125	3.906250	2.0	gun
1227	0.061511	0.352083	0.606656	-5.859375	-1.953125	7.812500	2.0	gun
1228	0.055657	0.311250	0.670243	-21.484375	-3.906250	23.437500	2.0	gun
1229	0.070894	0.311750	0.652146	-68.359375	-27.343750	35.156250	2.0	gun
1230	0.136286	0.305800	0.647538	-152.343750	9.765625	1.953125	2.0	gun
1231	0.106772	0.145980	0.501023	-250.000000	132.812500	3.906250	2.0	gun
1232	-0.042187	-0.124912	0.131864	-250.000000	187.500000	-107.421875	2.0	gun
1233	-0.100312	-0.562447	-0.333382	-250.000000	138.671875	-164.062500	2.0	gun
1234	-0.010187	-0.774968	-0.931279	-250.000000	-41.015625	-89.843750	2.0	gun
1235	0.175138	-0.927481	-1.240017	1.953125	152.343750	-17.578125	2.0	gun
1236	0.311333	-0.825239	-1.112760	48.828125	-23.437500	-93.750000	2.0	gun
1237	0.343050	-0.513893	-1.036406	7.812500	-15.625000	-15.625000	2.0	gun
1238	0.337080	-0.427086	-0.996844	-7.812500	5.859375	-1.953125	2.0	gun
1239	0.383498	-0.381252	-0.966856	9.765625	0.000000	-19.531250	2.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1240	0.398849	-0.347501	-0.948864	-1.953125	-3.906250	-5.859375	2.0	gun
1241	0.383059	-0.327251	-0.944318	0.000000	-3.906250	-1.953125	0.0	gun
1242	0.379836	-0.321350	-0.941591	1.953125	-3.906250	-9.765625	0.0	gun
1243	0.390401	-0.305310	-0.939955	3.906250	-3.906250	-11.718750	0.0	gun
1244	0.390491	-0.295686	-0.945223	0.000000	-3.906250	-5.859375	0.0	gun
1245	0.390544	-0.296162	-0.942134	0.000000	0.000000	-1.953125	0.0	gun
1246	0.390577	-0.296447	-0.940280	0.000000	0.000000	0.000000	0.0	gun
1247	0.390596	-0.296618	-0.932918	-1.953125	0.000000	0.000000	0.0	gun
1248	0.384358	-0.302971	-0.934751	0.000000	0.000000	-1.953125	0.0	gun
1249	0.382802	-0.304759	-0.928750	0.000000	0.000000	5.859375	1.0	gun
1250	0.385931	-0.314106	-0.932250	1.953125	0.000000	-1.953125	1.0	gun
1251	0.394059	-0.325963	-0.940600	0.000000	0.000000	0.000000	1.0	gun
1252	0.423935	-0.526828	-1.033110	-11.718750	-60.546875	-19.531250	1.0	gun
1253	0.498111	-1.072347	-1.419866	191.406250	-146.484375	-78.125000	0.0	gun
1254	0.367617	-1.168408	-1.476920	248.046875	0.000000	-62.500000	0.0	gun
1255	0.320570	-0.463545	-0.998652	248.046875	119.140625	11.718750	1.0	gun
1256	0.192342	-0.009377	-0.780441	-21.484375	248.046875	-119.140625	0.0	gun
1257	-0.228345	-0.805626	-1.030765	-250.000000	-13.671875	78.125000	2.0	gun
1258	-0.137007	-1.170876	-1.268459	248.046875	-232.421875	101.562500	2.0	gun
1259	0.186546	-0.152525	-0.879825	248.046875	-66.406250	33.203125	2.0	gun
1260	0.136928	0.314735	-0.290395	68.359375	-11.718750	66.406250	2.0	gun
1261	0.113407	0.395091	0.150763	-5.859375	-13.671875	33.203125	2.0	gun
1262	0.086794	0.393305	0.452958	-9.765625	3.906250	15.625000	2.0	gun
1263	0.033326	0.398483	0.659275	-5.859375	1.953125	3.906250	2.0	gun
1264	0.032496	0.370340	0.758065	-13.671875	-5.859375	9.765625	2.0	gun
1265	0.025747	0.347204	0.761089	-31.250000	-1.953125	11.718750	2.0	gun
1266	0.015448	0.333322	0.712903	-85.937500	-5.859375	31.250000	2.0	gun
1267	0.040519	0.293743	0.640242	-166.015625	25.390625	-29.296875	2.0	gun
1268	-0.019439	0.082496	0.427895	-250.000000	83.984375	-56.640625	2.0	gun
1269	-0.117913	-0.350502	0.037987	-250.000000	89.843750	-78.125000	2.0	gun
1270	0.029252	-0.822801	-0.270958	-250.000000	-17.578125	-97.656250	2.0	gun
1271	0.092551	-0.899931	-0.675075	-250.000000	58.593750	115.234375	2.0	gun
1272	0.155531	-0.846209	-1.036295	-60.546875	156.250000	-154.296875	2.0	gun
1273	0.349568	-1.007725	-1.034277	-7.812500	-15.625000	42.968750	2.0	gun
1274	0.372241	-0.585885	-0.989316	54.687500	-17.578125	-31.250000	2.0	gun
1275	0.379595	-0.439031	-0.949840	-17.578125	0.000000	-5.859375	2.0	gun
1276	0.396507	-0.413419	-0.951154	-1.953125	0.000000	-13.671875	2.0	gun
1277	0.406654	-0.335551	-0.939442	1.953125	-7.812500	-3.906250	2.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1278	0.393992	-0.313831	-0.938665	-1.953125	-3.906250	-3.906250	0.0	gun
1279	0.392645	-0.294548	-0.944449	0.000000	-1.953125	-7.812500	0.0	gun
1280	0.398087	-0.270479	-0.947920	0.000000	-1.953125	-3.906250	0.0	gun
1281	0.395102	-0.256037	-0.950002	-3.906250	-1.953125	3.906250	0.0	gun
1282	0.393311	-0.259872	-0.951251	-3.906250	0.000000	3.906250	0.0	gun
1283	0.392237	-0.255923	-0.952001	-1.953125	0.000000	1.953125	0.0	gun
1284	0.391592	-0.259804	-0.952450	-3.906250	0.000000	3.906250	0.0	gun
1285	0.391205	-0.262132	-0.952720	-1.953125	0.000000	0.000000	0.0	gun
1286	0.383025	-0.265615	-0.952511	-1.953125	-1.953125	0.000000	1.0	gun
1287	0.386065	-0.284369	-0.959007	-1.953125	-5.859375	0.000000	1.0	gun
1288	0.419139	-0.483121	-1.044154	-17.578125	-62.500000	-3.906250	1.0	gun
1289	0.401483	-1.064873	-1.413992	228.515625	-70.312500	-27.343750	0.0	gun
1290	0.372140	-1.095174	-1.354645	248.046875	-64.453125	-15.625000	0.0	gun
1291	0.310784	-0.525854	-0.862787	248.046875	78.125000	-31.250000	1.0	gun
1292	0.286470	-0.121763	-0.586422	25.390625	195.312500	-72.265625	0.0	gun
1293	0.053132	-0.866808	-0.851853	-250.000000	68.359375	-46.875000	1.0	gun
1294	-0.149371	-1.320085	-1.192362	248.046875	-189.453125	146.484375	2.0	gun
1295	0.216628	-0.742051	-1.027917	248.046875	-183.593750	70.312500	2.0	gun
1296	0.323727	0.192270	-0.548000	197.265625	-1.953125	132.812500	2.0	gun
1297	0.225486	0.471612	-0.066300	-17.578125	15.625000	44.921875	2.0	gun
1298	0.110292	0.464217	0.303970	-15.625000	-1.953125	-1.953125	2.0	gun
1299	0.066175	0.441030	0.563632	-5.859375	-5.859375	-3.906250	2.0	gun
1300	0.045955	0.408368	0.713179	1.953125	-1.953125	-1.953125	2.0	gun
1301	0.040073	0.395021	0.777907	0.000000	-9.765625	-1.953125	2.0	gun
1302	0.061544	0.412013	0.766744	-13.671875	-19.531250	-11.718750	2.0	gun
1303	0.068176	0.453458	0.710047	-95.703125	3.906250	15.625000	2.0	gun
1304	0.072156	0.322075	0.619778	-222.656250	3.906250	-35.156250	2.0	gun
1305	0.037043	-0.000505	0.453117	-250.000000	83.984375	1.953125	2.0	gun
1306	-0.009024	-0.425303	0.371870	-250.000000	50.781250	-107.421875	2.0	gun
1307	-0.024164	-0.861432	0.279372	-189.453125	87.890625	-37.109375	2.0	gun
1308	-0.083249	-0.973109	0.223873	-125.000000	74.218750	-21.484375	2.0	gun
1309	-0.018699	-0.933865	0.071824	-132.812500	7.812500	-87.890625	2.0	gun
1310	0.101280	-0.941569	-0.163156	-156.250000	9.765625	-72.265625	2.0	gun
1311	0.204518	-0.896192	-0.391643	-183.593750	9.765625	1.953125	2.0	gun
1312	0.303961	-0.912715	-0.659986	-125.000000	76.171875	74.218750	2.0	gun
1313	0.288627	-0.835129	-0.770992	-5.859375	-1.953125	-95.703125	2.0	gun
1314	0.316926	-0.601077	-0.812595	3.906250	-21.484375	-42.968750	0.0	gun
1315	0.327656	-0.491896	-0.850057	-5.859375	0.000000	-17.578125	0.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1316	0.365343	-0.432638	-0.878784	3.906250	0.000000	-9.765625	0.0	gun
1317	0.387956	-0.397083	-0.896021	-1.953125	0.000000	1.953125	0.0	gun
1318	0.395274	-0.382000	-0.900112	-1.953125	0.000000	-1.953125	0.0	gun
1319	0.387164	-0.379200	-0.902567	-3.906250	1.953125	0.000000	0.0	gun
1320	0.394798	-0.377520	-0.910290	1.953125	0.000000	-3.906250	0.0	gun
1321	0.405629	-0.364012	-0.908674	-1.953125	0.000000	0.000000	0.0	gun
1322	0.400003	-0.346198	-0.907607	-1.953125	-1.953125	0.000000	1.0	gun
1323	0.396252	-0.345219	-0.907064	-1.953125	-1.953125	-1.953125	1.0	gun
1324	0.394001	-0.350881	-0.912988	-1.953125	-1.953125	0.000000	1.0	gun
1325	0.398901	-0.348029	-0.910293	0.000000	-1.953125	0.000000	1.0	gun
1326	0.401840	-0.352567	-0.908676	0.000000	0.000000	-1.953125	1.0	gun
1327	0.409854	-0.380290	-0.913955	0.000000	-3.906250	-3.906250	1.0	gun
1328	0.439663	-0.603174	-0.979623	-5.859375	-64.453125	-17.578125	1.0	gun
1329	0.526298	-1.080655	-1.206524	195.312500	-85.937500	-37.109375	0.0	gun
1330	0.453279	-1.160893	-1.155164	248.046875	0.000000	-52.734375	2.0	gun
1331	0.303217	-0.734036	-0.768099	248.046875	107.421875	27.343750	2.0	gun
1332	0.294430	-0.221671	-0.373359	115.234375	189.453125	-33.203125	2.0	gun
1333	0.070408	-0.883003	-0.930266	-250.000000	183.593750	7.812500	2.0	gun
1334	-0.245255	-1.329802	-1.214409	248.046875	-183.593750	97.656250	2.0	gun
1335	0.046597	-0.691631	-1.103646	248.046875	-173.828125	31.250000	2.0	gun
1336	0.115458	0.160021	-0.587187	173.828125	3.906250	103.515625	2.0	gun
1337	0.081775	0.533513	-0.089812	0.000000	9.765625	44.921875	2.0	gun
1338	0.017815	0.476358	0.308613	-33.203125	0.000000	5.859375	2.0	gun
1339	-0.014311	0.404565	0.560168	0.000000	-3.906250	-9.765625	2.0	gun
1340	-0.008587	0.405239	0.686101	-11.718750	-1.953125	9.765625	2.0	gun
1341	0.007348	0.336893	0.667910	-44.921875	-17.578125	-7.812500	2.0	gun
1342	-0.026841	0.283386	0.556996	-152.343750	23.437500	25.390625	2.0	gun
1343	-0.072355	0.151282	0.277948	-250.000000	82.031250	54.687500	2.0	gun
1344	-0.293413	-0.265481	0.054269	-250.000000	210.937500	-95.703125	2.0	gun
1345	-0.238548	-0.840539	-0.098689	-250.000000	25.390625	-201.171875	2.0	gun
1346	-0.005629	-1.029323	-0.290463	-226.562500	54.687500	-185.546875	2.0	gun
1347	0.259123	-1.142594	-0.705528	-234.375000	72.265625	248.046875	2.0	gun
1348	0.142974	-0.991806	-0.842067	-39.062500	105.468750	25.390625	2.0	gun
1349	0.317034	-0.801334	-0.898990	41.015625	-39.062500	-99.609375	2.0	gun
1350	0.352721	-0.568300	-0.895644	0.000000	-9.765625	3.906250	2.0	gun
1351	0.361632	-0.472230	-0.912386	-1.953125	-3.906250	-15.625000	2.0	gun
1352	0.385729	-0.402088	-0.916182	0.000000	-1.953125	-7.812500	2.0	gun
1353	0.393938	-0.366253	-0.924709	-3.906250	-3.906250	-5.859375	0.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1354	0.386363	-0.344752	-0.923575	-1.953125	-1.953125	-3.906250	0.0	gun
1355	0.388068	-0.331851	-0.922895	-1.953125	0.000000	-1.953125	0.0	gun
1356	0.389091	-0.330361	-0.922487	-1.953125	-1.953125	0.000000	0.0	gun
1357	0.383454	-0.323216	-0.928492	-1.953125	-1.953125	-1.953125	0.0	gun
1358	0.386323	-0.318930	-0.932095	-1.953125	-1.953125	-1.953125	0.0	gun
1359	0.381794	-0.316358	-0.934257	0.000000	-1.953125	-1.953125	0.0	gun
1360	0.385326	-0.308565	-0.935554	0.000000	-1.953125	-1.953125	0.0	gun
1361	0.375099	-0.328222	-0.924614	0.000000	-1.953125	-1.953125	1.0	gun
1362	0.375059	-0.334433	-0.923518	0.000000	-1.953125	0.000000	1.0	gun
1363	0.375036	-0.338160	-0.922861	-1.953125	-1.953125	0.000000	1.0	gun
1364	0.375021	-0.340396	-0.928717	0.000000	-1.953125	-1.953125	1.0	gun
1365	0.375013	-0.341738	-0.932230	0.000000	-1.953125	0.000000	1.0	gun
1366	0.375008	-0.342543	-0.928088	1.953125	-1.953125	-1.953125	1.0	gun
1367	0.375005	-0.349276	-0.925603	0.000000	-1.953125	0.000000	1.0	gun
1368	0.381253	-0.403315	-0.961612	0.000000	-9.765625	1.953125	1.0	gun
1369	0.403752	-0.673239	-1.064467	-9.765625	-105.468750	-54.687500	2.0	gun
1370	0.329751	-1.203944	-1.338680	212.890625	-87.890625	-115.234375	2.0	gun
1371	0.354101	-1.178616	-1.278208	248.046875	21.484375	-35.156250	2.0	gun
1372	0.243710	-0.382170	-0.866925	248.046875	220.703125	-1.953125	2.0	gun
1373	0.121226	-0.266802	-0.945155	-250.000000	189.453125	52.734375	2.0	gun
1374	-0.296014	-0.960081	-1.048343	41.015625	-23.437500	-42.968750	2.0	gun
1375	-0.058859	-0.932299	-1.341506	248.046875	-203.125000	5.859375	2.0	gun
1376	0.183435	0.046871	-0.804903	248.046875	-41.015625	64.453125	2.0	gun
1377	0.141311	0.409372	-0.276692	0.000000	7.812500	48.828125	2.0	gun
1378	0.059787	0.370623	0.146485	-15.625000	-3.906250	9.765625	2.0	gun
1379	0.023372	0.341124	0.469141	-3.906250	7.812500	13.671875	2.0	gun
1380	-0.023477	0.304674	0.662735	1.953125	3.906250	3.906250	2.0	gun
1381	-0.039086	0.264055	0.722641	-7.812500	-9.765625	23.437500	2.0	gun
1382	-0.029702	0.277183	0.702334	-44.921875	-1.953125	35.156250	2.0	gun
1383	0.000929	0.241310	0.690151	-93.750000	-7.812500	17.578125	2.0	gun
1384	0.081807	0.207286	0.601590	-208.984375	5.859375	-9.765625	2.0	gun
1385	0.055334	0.011871	0.479704	-250.000000	44.921875	-87.890625	2.0	gun
1386	-0.060549	-0.330377	0.131573	-250.000000	158.203125	29.296875	2.0	gun
1387	-0.130080	-0.698226	-0.258556	-250.000000	87.890625	-66.406250	2.0	gun
1388	0.040702	-0.968936	-0.798884	-250.000000	66.406250	-144.531250	2.0	gun
1389	0.274421	-1.118861	-1.041830	-64.453125	126.953125	115.234375	2.0	gun
1390	0.352153	-0.990067	-1.012598	29.296875	-11.718750	-56.640625	2.0	gun
1391	0.348792	-0.625290	-0.963809	17.578125	-17.578125	-33.203125	2.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1392	0.340525	-0.493924	-0.965785	-13.671875	9.765625	5.859375	2.0	gun
1393	0.385565	-0.446354	-0.948221	7.812500	7.812500	-9.765625	2.0	gun
1394	0.400089	-0.386563	-0.931433	-3.906250	-7.812500	-9.765625	2.0	gun
1395	0.383803	-0.350688	-0.940110	0.000000	-3.906250	-13.671875	0.0	gun
1396	0.399032	-0.310413	-0.939066	1.953125	1.953125	-1.953125	0.0	gun
1397	0.401919	-0.311248	-0.932189	-3.906250	-1.953125	5.859375	0.0	gun
1398	0.397402	-0.305499	-0.934314	1.953125	-1.953125	-3.906250	0.0	gun
1399	0.400941	-0.302049	-0.935588	0.000000	-1.953125	1.953125	0.0	gun
1400	0.396815	-0.306229	-0.930103	-1.953125	0.000000	3.906250	0.0	gun
1401	0.394339	-0.302488	-0.933062	0.000000	-1.953125	-3.906250	0.0	gun
1402	0.392853	-0.300243	-0.934837	-1.953125	-1.953125	1.953125	0.0	gun
1403	0.401919	-0.311248	-0.932189	-3.906250	-1.953125	5.859375	0.0	gun
1404	0.397402	-0.305499	-0.934314	1.953125	-1.953125	-3.906250	0.0	gun
1405	0.400941	-0.302049	-0.935588	0.000000	-1.953125	1.953125	0.0	gun
1406	0.396815	-0.306229	-0.930103	-1.953125	0.000000	3.906250	0.0	gun
1407	0.394339	-0.302488	-0.933062	0.000000	-1.953125	-3.906250	0.0	gun
1408	0.392853	-0.300243	-0.934837	-1.953125	-1.953125	1.953125	0.0	gun
1409	0.391962	-0.311396	-0.929652	0.000000	-1.953125	0.000000	0.0	gun
1410	0.397677	-0.343087	-0.957791	-1.953125	-7.812500	-1.953125	0.0	gun
1411	0.469856	-0.774602	-1.093425	42.968750	-89.843750	15.625000	2.0	gun
1412	0.338164	-1.264761	-1.456055	248.046875	-107.421875	21.484375	2.0	gun
1413	0.309148	-1.015107	-1.398633	248.046875	-48.828125	11.718750	2.0	gun
1414	0.279239	-0.146564	-0.826680	248.046875	95.703125	70.312500	2.0	gun
1415	0.217543	0.024562	-0.646008	-220.703125	136.718750	-93.750000	2.0	gun
1416	-0.213224	-0.785263	-0.881355	-250.000000	93.750000	-111.328125	2.0	gun
1417	-0.240434	-1.271158	-1.328813	248.046875	-250.000000	44.921875	2.0	gun
1418	-0.000511	0.031055	-0.997288	248.046875	-46.875000	39.062500	2.0	gun
1419	0.012194	0.406133	-0.417123	35.156250	-25.390625	27.343750	2.0	gun
1420	0.032316	0.474930	0.112226	0.000000	-5.859375	9.765625	2.0	gun
1421	0.013140	0.428708	0.436086	-3.906250	11.718750	-5.859375	2.0	gun
1422	-0.017116	0.313475	0.561652	-5.859375	15.625000	11.718750	2.0	gun
1423	-0.047770	0.281835	0.568241	-31.250000	-46.875000	27.343750	2.0	gun
1424	0.002588	0.319101	0.584695	-99.609375	-17.578125	44.921875	2.0	gun
1425	0.045303	0.310211	0.513317	-250.000000	3.906250	-11.718750	2.0	gun
1426	-0.004068	-0.107624	0.332990	-250.000000	132.812500	-9.765625	2.0	gun
1427	-0.114941	-0.470824	0.137294	-250.000000	78.125000	-42.968750	2.0	gun
1428	-0.093965	-0.757495	-0.098874	-250.000000	11.718750	-123.046875	2.0	gun
1429	0.074871	-1.091997	-0.515574	-250.000000	-13.671875	-154.296875	2.0	gun

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1430	0.394923	-0.861448	-0.821844	-39.062500	169.921875	152.343750	2.0	gun
1431	0.324454	-0.848119	-0.855607	-97.656250	72.265625	80.078125	2.0	gun
1432	0.363422	-0.646371	-0.938364	29.296875	-25.390625	-142.578125	0.0	gun
1433	0.361803	-0.462823	-0.919268	-17.578125	-1.953125	1.953125	0.0	gun
1434	0.360832	-0.433944	-0.926561	-19.531250	1.953125	-7.812500	0.0	gun
1435	0.428999	-0.404116	-0.930937	7.812500	-1.953125	-21.484375	0.0	gun
1436	0.438650	-0.317470	-0.921062	0.000000	-7.812500	-3.906250	0.0	gun
1437	0.425690	-0.296732	-0.927637	-3.906250	-3.906250	3.906250	0.0	gun
1438	0.424164	-0.284289	-0.931582	0.000000	0.000000	-5.859375	0.0	gun
1439	0.423248	-0.270573	-0.933949	-1.953125	-1.953125	-3.906250	0.0	gun
1440	0.258893	-0.341536	-0.963922	-3.906250	0.000000	1.953125	1.0	hair
1441	0.280336	-0.348672	-0.959603	0.000000	0.000000	0.000000	1.0	hair
1442	0.293201	-0.340453	-0.957012	0.000000	1.953125	-7.812500	1.0	hair
1443	0.294671	-0.329272	-0.961707	-1.953125	0.000000	-3.906250	1.0	hair
1444	0.301803	-0.322563	-0.958274	-3.906250	1.953125	-1.953125	1.0	hair
1445	0.306082	-0.312288	-0.956215	-5.859375	3.906250	3.906250	1.0	hair
1446	0.314899	-0.306123	-0.954979	-7.812500	3.906250	9.765625	1.0	hair
1447	0.370189	-0.339924	-0.979237	-27.343750	-19.531250	41.015625	1.0	hair
1448	0.472114	-0.610204	-1.112542	15.625000	-19.531250	52.734375	2.0	hair
1449	0.464518	-0.866123	-1.323775	171.875000	52.734375	3.906250	2.0	hair
1450	0.322461	-1.044674	-1.481765	248.046875	89.843750	3.906250	2.0	hair
1451	0.174727	-0.939304	-1.357809	248.046875	83.984375	-23.437500	2.0	hair
1452	0.061086	-0.782332	-1.033435	248.046875	56.640625	-31.250000	2.0	hair
1453	0.055402	-0.488149	-0.670061	248.046875	1.953125	-1.953125	2.0	hair
1454	0.164491	-0.074140	-0.420787	248.046875	-44.921875	7.812500	2.0	hair
1455	0.367445	0.411766	-0.152472	164.062500	-37.109375	-82.031250	2.0	hair
1456	0.395467	0.672060	0.046017	72.265625	-41.015625	-35.156250	2.0	hair
1457	0.431030	0.809486	0.121360	33.203125	-25.390625	7.812500	2.0	hair
1458	0.446118	0.854441	0.147816	7.812500	-11.718750	0.000000	2.0	hair
1459	0.455171	0.862665	0.188690	-1.953125	-3.906250	1.953125	2.0	hair
1460	0.460602	0.873849	0.225714	1.953125	-5.859375	1.953125	2.0	hair
1461	0.470111	0.874309	0.241678	-3.906250	-7.812500	0.000000	2.0	hair
1462	0.475817	0.874586	0.251257	-3.906250	-3.906250	-1.953125	2.0	hair
1463	0.472990	0.862251	0.269504	-5.859375	0.000000	1.953125	2.0	hair
1464	0.471294	0.854851	0.292953	-5.859375	-1.953125	0.000000	2.0	hair
1465	0.476526	0.844160	0.300772	-1.953125	0.000000	-1.953125	2.0	hair
1466	0.479666	0.837746	0.305463	3.906250	1.953125	1.953125	2.0	hair
1467	0.494050	0.846398	0.295778	7.812500	1.953125	7.812500	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1468	0.515180	0.845339	0.264967	0.000000	1.953125	19.531250	2.0	hair
1469	0.552858	0.838453	0.240230	-9.765625	17.578125	64.453125	2.0	hair
1470	0.625465	0.815572	0.225388	-39.062500	23.437500	115.234375	2.0	hair
1471	0.731529	0.701843	0.203983	-68.359375	48.828125	91.796875	2.0	hair
1472	0.763917	0.614856	0.203640	-76.171875	97.656250	89.843750	2.0	hair
1473	0.702100	0.606414	0.215934	-130.859375	187.500000	60.546875	2.0	hair
1474	0.408760	0.595098	-0.026690	-250.000000	248.046875	152.343750	2.0	hair
1475	-0.098494	0.225809	-0.491014	-250.000000	248.046875	-23.437500	2.0	hair
1476	-0.534096	-0.264515	-0.969608	-250.000000	142.578125	-85.937500	2.0	hair
1477	-0.457958	-0.708709	-1.219265	-212.890625	101.562500	-158.203125	2.0	hair
1478	-0.306025	-0.700225	-1.300309	-58.593750	113.281250	-169.921875	2.0	hair
1479	0.053885	-0.557635	-1.173935	74.218750	9.765625	-103.515625	2.0	hair
1480	0.163581	-0.397081	-1.116861	13.671875	-23.437500	-52.734375	2.0	hair
1481	0.141899	-0.313249	-1.057617	1.953125	27.343750	1.953125	2.0	hair
1482	0.153889	-0.350449	-1.034570	-13.671875	-9.765625	21.484375	2.0	hair
1483	0.173584	-0.341520	-1.008242	11.718750	-11.718750	-19.531250	2.0	hair
1484	0.229150	-0.336162	-0.992445	5.859375	-9.765625	-35.156250	0.0	hair
1485	0.274990	-0.314197	-0.976717	3.906250	1.953125	-23.437500	0.0	hair
1486	0.296244	-0.326018	-0.967280	-3.906250	1.953125	-3.906250	0.0	hair
1487	0.296496	-0.326861	-0.961618	-1.953125	5.859375	-1.953125	0.0	hair
1488	0.290398	-0.321117	-0.958221	-3.906250	5.859375	0.000000	0.0	hair
1489	0.292989	-0.317670	-0.956183	-1.953125	1.953125	-3.906250	0.0	hair
1490	0.313293	-0.309352	-0.954960	-1.953125	0.000000	-5.859375	0.0	hair
1491	0.337976	-0.304361	-0.947976	-3.906250	1.953125	5.859375	0.0	hair
1492	0.365370	-0.298756	-0.939552	-1.953125	0.000000	-1.953125	1.0	hair
1493	0.369222	-0.298003	-0.944981	-1.953125	0.000000	-1.953125	1.0	hair
1494	0.371533	-0.297552	-0.948239	-3.906250	1.953125	1.953125	1.0	hair
1495	0.372920	-0.297281	-0.943943	-7.812500	1.953125	7.812500	1.0	hair
1496	0.392502	-0.309619	-0.947616	-3.906250	7.812500	15.625000	1.0	hair
1497	0.398001	-0.342021	-0.956070	-1.953125	7.812500	31.250000	1.0	hair
1498	0.420051	-0.442713	-0.986142	21.484375	-5.859375	39.062500	1.0	hair
1499	0.414530	-0.609378	-1.060435	54.687500	-19.531250	-7.812500	1.0	hair
1500	0.411218	-0.821877	-1.155011	107.421875	-35.156250	0.000000	2.0	hair
1501	0.309231	-1.005626	-1.355507	242.187500	64.453125	-52.734375	2.0	hair
1502	0.179289	-0.978376	-1.407054	248.046875	95.703125	-33.203125	2.0	hair
1503	0.082573	-0.743275	-1.156732	248.046875	76.171875	-42.968750	2.0	hair
1504	0.093294	-0.345965	-0.750289	248.046875	11.718750	-31.250000	2.0	hair
1505	0.212226	-0.013829	-0.406424	248.046875	-64.453125	25.390625	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1506	0.371086	0.372953	-0.106354	160.156250	-5.859375	-93.750000	2.0	hair
1507	0.335151	0.605022	0.092437	87.890625	-31.250000	-60.546875	2.0	hair
1508	0.382341	0.744263	0.180462	46.875000	-27.343750	-3.906250	2.0	hair
1509	0.429405	0.802808	0.220777	21.484375	-9.765625	37.109375	2.0	hair
1510	0.476393	0.825435	0.251216	-3.906250	-15.625000	44.921875	2.0	hair
1511	0.498336	0.820261	0.281980	-9.765625	-15.625000	42.968750	2.0	hair
1512	0.574001	0.810906	0.287938	-19.531250	-21.484375	33.203125	2.0	hair
1513	0.650651	0.736544	0.279013	-11.718750	-5.859375	21.484375	2.0	hair
1514	0.702890	0.698176	0.286158	-11.718750	11.718750	15.625000	2.0	hair
1515	0.715484	0.693906	0.321695	-1.953125	19.531250	-3.906250	2.0	hair
1516	0.698041	0.685093	0.349267	0.000000	9.765625	-1.953125	2.0	hair
1517	0.731324	0.667306	0.340810	-9.765625	-1.953125	11.718750	2.0	hair
1518	0.757545	0.644134	0.329486	-13.671875	17.578125	37.109375	2.0	hair
1519	0.798277	0.598980	0.310192	-39.062500	25.390625	56.640625	2.0	hair
1520	0.828966	0.565638	0.273615	-74.218750	39.062500	64.453125	2.0	hair
1521	0.834880	0.464383	0.245419	-97.656250	160.156250	62.500000	2.0	hair
1522	0.625928	0.384880	0.228501	-158.203125	248.046875	42.968750	2.0	hair
1523	0.206807	0.199678	0.037101	-250.000000	248.046875	42.968750	2.0	hair
1524	-0.238416	-0.286443	-0.158989	-250.000000	226.562500	-250.000000	2.0	hair
1525	-0.255550	-0.509366	-0.589144	-250.000000	-37.109375	-113.281250	2.0	hair
1526	-0.053330	-0.849370	-1.015986	-250.000000	41.015625	-130.859375	2.0	hair
1527	0.018002	-0.859622	-1.178342	-113.281250	3.906250	-87.890625	2.0	hair
1528	0.217051	-0.697023	-1.138255	46.875000	-15.625000	-74.218750	2.0	hair
1529	0.248981	-0.449464	-1.057953	15.625000	7.812500	-25.390625	2.0	hair
1530	0.236888	-0.382178	-1.041022	3.906250	19.531250	11.718750	2.0	hair
1531	0.210883	-0.323057	-1.018363	3.906250	3.906250	-5.859375	2.0	hair
1532	0.220280	-0.312584	-0.998518	-7.812500	-7.812500	5.859375	2.0	hair
1533	0.232168	-0.312551	-0.992861	-5.859375	-5.859375	3.906250	0.0	hair
1534	0.258051	-0.312530	-0.989466	-3.906250	-7.812500	-7.812500	0.0	hair
1535	0.279830	-0.312518	-0.981180	0.000000	0.000000	-9.765625	0.0	hair
1536	0.280398	-0.306261	-0.982458	-1.953125	1.953125	-3.906250	0.0	hair
1537	0.268239	-0.296257	-0.983225	0.000000	3.906250	0.000000	0.0	hair
1538	0.267193	-0.284004	-0.983685	-1.953125	1.953125	0.000000	0.0	hair
1539	0.279066	-0.282902	-0.983961	-1.953125	1.953125	1.953125	0.0	hair
1540	0.292440	-0.282241	-0.977877	-3.906250	3.906250	3.906250	0.0	hair
1541	0.280398	-0.306261	-0.982458	-1.953125	1.953125	-3.906250	0.0	hair
1542	0.268239	-0.296257	-0.983225	0.000000	3.906250	0.000000	0.0	hair
1543	0.267193	-0.284004	-0.983685	-1.953125	1.953125	0.000000	0.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1544	0.279066	-0.282902	-0.983961	-1.953125	1.953125	1.953125	0.0	hair
1545	0.292440	-0.282241	-0.977877	-3.906250	3.906250	3.906250	0.0	hair
1546	0.306714	-0.288095	-0.974226	-5.859375	7.812500	7.812500	0.0	hair
1547	0.327778	-0.316607	-0.984536	-1.953125	9.765625	29.296875	0.0	hair
1548	0.396667	-0.458714	-1.028221	11.718750	11.718750	62.500000	1.0	hair
1549	0.425500	-0.668978	-1.123183	91.796875	19.531250	27.343750	2.0	hair
1550	0.355300	-0.882637	-1.273910	187.500000	23.437500	0.000000	2.0	hair
1551	0.231930	-1.060832	-1.395596	248.046875	19.531250	-42.968750	2.0	hair
1552	0.126658	-0.961499	-1.324857	248.046875	27.343750	-42.968750	2.0	hair
1553	0.107245	-0.614400	-1.001164	248.046875	-15.625000	-25.390625	2.0	hair
1554	0.183097	-0.187390	-0.619449	248.046875	-39.062500	1.953125	2.0	hair
1555	0.403608	0.231316	-0.290419	167.968750	-35.156250	-130.859375	2.0	hair
1556	0.423415	0.438790	-0.024252	95.703125	-37.109375	-78.125000	2.0	hair
1557	0.410299	0.625774	0.135449	99.609375	-15.625000	-21.484375	2.0	hair
1558	0.483679	0.787964	0.200019	42.968750	-19.531250	9.765625	2.0	hair
1559	0.502708	0.816529	0.251262	-3.906250	-5.859375	13.671875	2.0	hair
1560	0.501625	0.827417	0.263257	5.859375	-3.906250	5.859375	2.0	hair
1561	0.513475	0.840200	0.276704	5.859375	3.906250	15.625000	2.0	hair
1562	0.526835	0.822870	0.284773	0.000000	-5.859375	0.000000	2.0	hair
1563	0.541101	0.818722	0.289614	-5.859375	-9.765625	-5.859375	2.0	hair
1564	0.543411	0.816233	0.286268	-5.859375	-5.859375	0.000000	2.0	hair
1565	0.551046	0.814740	0.284261	-3.906250	-3.906250	0.000000	2.0	hair
1566	0.555628	0.813844	0.283057	-5.859375	-3.906250	-1.953125	2.0	hair
1567	0.558377	0.813306	0.288584	-1.953125	0.000000	3.906250	2.0	hair
1568	0.566276	0.806734	0.285650	0.000000	0.000000	1.953125	2.0	hair
1569	0.571016	0.802790	0.283890	0.000000	1.953125	1.953125	2.0	hair
1570	0.580109	0.800424	0.276584	1.953125	3.906250	3.906250	2.0	hair
1571	0.591816	0.799005	0.278450	0.000000	5.859375	9.765625	2.0	hair
1572	0.605089	0.791903	0.279570	-1.953125	3.906250	5.859375	2.0	hair
1573	0.613054	0.781392	0.280242	-1.953125	7.812500	5.859375	2.0	hair
1574	0.624082	0.768835	0.280645	-7.812500	7.812500	21.484375	2.0	hair
1575	0.643199	0.767551	0.280887	-7.812500	13.671875	48.828125	2.0	hair
1576	0.717170	0.691781	0.274782	-19.531250	23.437500	62.500000	2.0	hair
1577	0.805302	0.608818	0.252369	7.812500	89.843750	39.062500	2.0	hair
1578	0.689431	0.671541	0.257672	-48.828125	156.250000	-11.718750	2.0	hair
1579	0.538659	0.802925	0.160853	-224.609375	158.203125	-64.453125	2.0	hair
1580	0.291945	0.556755	-0.159738	-250.000000	212.890625	-52.734375	2.0	hair
1581	-0.074833	0.046553	-0.720843	-250.000000	154.296875	-74.218750	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1582	-0.182400	-0.609568	-1.107506	-250.000000	-13.671875	-250.000000	2.0	hair
1583	0.159310	-0.846991	-1.333253	-250.000000	-107.421875	-177.734375	2.0	hair
1584	0.251836	-0.845695	-1.368702	-64.453125	70.312500	140.625000	2.0	hair
1585	0.294852	-0.676167	-1.202471	41.015625	-23.437500	-39.062500	2.0	hair
1586	0.258161	-0.511950	-1.121483	17.578125	1.953125	-31.250000	2.0	hair
1587	0.204897	-0.419670	-1.072890	0.000000	25.390625	25.390625	2.0	hair
1588	0.185438	-0.383052	-1.037484	-9.765625	-9.765625	-9.765625	2.0	hair
1589	0.217513	-0.361081	-1.016240	-5.859375	-15.625000	-5.859375	2.0	hair
1590	0.261758	-0.354149	-0.997244	-5.859375	-1.953125	1.953125	0.0	hair
1591	0.263305	-0.349989	-0.985846	-1.953125	-1.953125	-3.906250	0.0	hair
1592	0.239233	-0.328744	-0.979008	0.000000	3.906250	-3.906250	0.0	hair
1593	0.224790	-0.322246	-0.981155	-1.953125	0.000000	-3.906250	0.0	hair
1594	0.228624	-0.318348	-0.982443	-1.953125	0.000000	0.000000	0.0	hair
1595	0.237174	-0.316009	-0.983216	-1.953125	0.000000	0.000000	0.0	hair
1596	0.248555	-0.308355	-0.977429	-3.906250	1.953125	1.953125	0.0	hair
1597	0.249133	-0.310013	-0.973958	-3.906250	3.906250	1.953125	0.0	hair
1598	0.282759	-0.313903	-0.954982	0.000000	-1.953125	0.000000	1.0	hair
1599	0.282155	-0.319592	-0.960489	-1.953125	0.000000	0.000000	1.0	hair
1600	0.281793	-0.316755	-0.963793	-1.953125	0.000000	0.000000	1.0	hair
1601	0.287826	-0.315053	-0.965776	-1.953125	0.000000	1.953125	1.0	hair
1602	0.291446	-0.320282	-0.966966	-1.953125	0.000000	0.000000	1.0	hair
1603	0.299867	-0.317169	-0.967679	0.000000	3.906250	1.953125	1.0	hair
1604	0.348670	-0.346551	-0.974358	-1.953125	0.000000	9.765625	1.0	hair
1605	0.452952	-0.489181	-1.040865	5.859375	9.765625	27.343750	1.0	hair
1606	0.471771	-0.674759	-1.137019	105.468750	29.296875	9.765625	2.0	hair
1607	0.414313	-0.873605	-1.213461	181.640625	41.015625	13.671875	2.0	hair
1608	0.292338	-1.024163	-1.259327	248.046875	52.734375	-41.015625	2.0	hair
1609	0.212903	-1.033248	-1.211846	248.046875	56.640625	-46.875000	2.0	hair
1610	0.133992	-0.744949	-0.977108	248.046875	68.359375	-31.250000	2.0	hair
1611	0.155395	-0.259469	-0.636265	248.046875	11.718750	13.671875	2.0	hair
1612	0.355737	0.313068	-0.344259	173.828125	-13.671875	13.671875	2.0	hair
1613	0.400942	0.519091	-0.056555	87.890625	-37.109375	-68.359375	2.0	hair
1614	0.440565	0.686455	0.116067	72.265625	-9.765625	-41.015625	2.0	hair
1615	0.445589	0.755623	0.188390	33.203125	-11.718750	3.906250	2.0	hair
1616	0.467354	0.790874	0.244284	17.578125	-15.625000	0.000000	2.0	hair
1617	0.467912	0.862024	0.265320	9.765625	-5.859375	1.953125	2.0	hair
1618	0.474497	0.860965	0.271692	1.953125	-3.906250	1.953125	2.0	hair
1619	0.472198	0.854079	0.281765	-1.953125	-5.859375	-1.953125	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1620	0.464569	0.862447	0.281559	3.906250	1.953125	0.000000	2.0	hair
1621	0.466241	0.867468	0.287686	0.000000	0.000000	3.906250	2.0	hair
1622	0.473495	0.857981	0.291361	-3.906250	1.953125	3.906250	2.0	hair
1623	0.471597	0.864789	0.299817	-3.906250	3.906250	0.000000	2.0	hair
1624	0.470458	0.856373	0.311140	-1.953125	3.906250	1.953125	2.0	hair
1625	0.469775	0.851324	0.311684	0.000000	3.906250	1.953125	2.0	hair
1626	0.475615	0.842044	0.312010	-1.953125	7.812500	1.953125	2.0	hair
1627	0.479119	0.830227	0.318456	0.000000	3.906250	5.859375	2.0	hair
1628	0.493721	0.835636	0.303574	-5.859375	1.953125	11.718750	2.0	hair
1629	0.527483	0.820132	0.275894	-15.625000	11.718750	21.484375	2.0	hair
1630	0.610240	0.804579	0.221787	-23.437500	56.640625	15.625000	2.0	hair
1631	0.578644	0.907747	0.089322	-109.375000	173.828125	25.390625	2.0	hair
1632	0.409686	0.844648	-0.083907	-250.000000	193.359375	-60.546875	2.0	hair
1633	0.152062	0.463039	-0.375344	-250.000000	179.687500	-42.968750	2.0	hair
1634	-0.090013	-0.234677	-0.750206	-250.000000	115.234375	-93.750000	2.0	hair
1635	-0.091508	-0.784556	-1.168874	-250.000000	21.484375	-150.390625	2.0	hair
1636	0.020095	-0.933234	-1.270074	-189.453125	0.000000	-156.250000	2.0	hair
1637	0.062057	-0.841190	-1.287045	-78.125000	27.343750	-31.250000	2.0	hair
1638	0.230984	-0.717214	-1.165977	76.171875	-3.906250	-82.031250	2.0	hair
1639	0.244841	-0.524078	-1.105836	7.812500	-11.718750	-25.390625	2.0	hair
1640	0.184404	-0.414447	-1.051002	25.390625	21.484375	-13.671875	2.0	hair
1641	0.173143	-0.373668	-1.024351	-1.953125	-7.812500	1.953125	2.0	hair
1642	0.197636	-0.355451	-1.002111	-3.906250	-17.578125	-7.812500	2.0	hair
1643	0.256081	-0.363271	-0.988766	3.906250	-7.812500	-15.625000	0.0	hair
1644	0.284899	-0.361712	-0.974510	-1.953125	3.906250	0.000000	0.0	hair
1645	0.270939	-0.348277	-0.972206	-1.953125	1.953125	-5.859375	0.0	hair
1646	0.262564	-0.340216	-0.964574	-3.906250	0.000000	-3.906250	0.0	hair
1647	0.263788	-0.335380	-0.959994	-3.906250	0.000000	0.000000	0.0	hair
1648	0.289523	-0.332478	-0.957246	-3.906250	1.953125	1.953125	0.0	hair
1649	0.292464	-0.330737	-0.955598	-1.953125	3.906250	-1.953125	0.0	hair
1650	0.287978	-0.323442	-0.954609	-3.906250	1.953125	0.000000	0.0	hair
1651	0.321418	-0.298359	-0.953126	-1.953125	-1.953125	-1.953125	1.0	hair
1652	0.317851	-0.297765	-0.953126	-1.953125	-1.953125	0.000000	1.0	hair
1653	0.315711	-0.297409	-0.953125	0.000000	-1.953125	0.000000	1.0	hair
1654	0.314426	-0.297196	-0.953125	0.000000	-1.953125	0.000000	1.0	hair
1655	0.313656	-0.297067	-0.953125	0.000000	-1.953125	-1.953125	1.0	hair
1656	0.313193	-0.296990	-0.959375	-1.953125	-1.953125	-1.953125	1.0	hair
1657	0.331666	-0.303194	-0.963125	0.000000	0.000000	1.953125	1.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1658	0.392750	-0.363167	-1.002875	-3.906250	-5.859375	13.671875	1.0	hair
1659	0.473150	-0.549150	-1.107975	35.156250	-7.812500	29.296875	2.0	hair
1660	0.446390	-0.785740	-1.258535	134.765625	29.296875	-29.296875	2.0	hair
1661	0.355334	-1.052694	-1.448871	248.046875	83.984375	-48.828125	2.0	hair
1662	0.194450	-1.069116	-1.575573	248.046875	125.000000	-50.781250	2.0	hair
1663	0.060420	-0.697720	-1.326594	248.046875	93.750000	3.906250	2.0	hair
1664	0.092502	-0.256132	-0.945956	248.046875	13.671875	-11.718750	2.0	hair
1665	0.243001	0.252571	-0.548824	216.796875	-15.625000	-42.968750	2.0	hair
1666	0.289551	0.576543	-0.216794	99.609375	-52.734375	-50.781250	2.0	hair
1667	0.373730	0.758426	-0.017577	41.015625	-29.296875	-15.625000	2.0	hair
1668	0.392988	0.811305	0.101954	17.578125	-15.625000	7.812500	2.0	hair
1669	0.435793	0.843033	0.179922	5.859375	-21.484375	-7.812500	2.0	hair
1670	0.436476	0.855820	0.214203	5.859375	-7.812500	1.953125	2.0	hair
1671	0.455635	0.857242	0.228522	9.765625	-5.859375	13.671875	2.0	hair
1672	0.473381	0.864345	0.237113	0.000000	-3.906250	5.859375	2.0	hair
1673	0.477779	0.874857	0.242268	1.953125	1.953125	1.953125	2.0	hair
1674	0.486667	0.868664	0.251611	0.000000	5.859375	7.812500	2.0	hair
1675	0.492000	0.852449	0.257216	-1.953125	1.953125	1.953125	2.0	hair
1676	0.495200	0.855219	0.266830	1.953125	5.859375	3.906250	2.0	hair
1677	0.497120	0.850631	0.278848	0.000000	3.906250	5.859375	2.0	hair
1678	0.498272	0.847879	0.279809	-1.953125	3.906250	0.000000	2.0	hair
1679	0.492713	0.846227	0.280385	0.000000	3.906250	-1.953125	2.0	hair
1680	0.495628	0.845236	0.274481	0.000000	5.859375	0.000000	2.0	hair
1681	0.503627	0.838392	0.277189	-3.906250	7.812500	3.906250	2.0	hair
1682	0.539676	0.821785	0.260063	0.000000	17.578125	13.671875	2.0	hair
1683	0.573806	0.799321	0.237288	5.859375	44.921875	23.437500	2.0	hair
1684	0.594283	0.873343	0.186123	-19.531250	89.843750	-19.531250	2.0	hair
1685	0.450320	0.942756	0.142924	-136.718750	115.234375	-9.765625	2.0	hair
1686	0.345192	0.878153	0.029504	-250.000000	89.843750	-44.921875	2.0	hair
1687	0.250865	0.526892	-0.269797	-250.000000	125.000000	-48.828125	2.0	hair
1688	0.094269	-0.265115	-0.786878	-250.000000	140.625000	-76.171875	2.0	hair
1689	-0.087189	-0.902819	-1.003377	-250.000000	95.703125	-150.390625	2.0	hair
1690	0.022687	-1.104191	-1.339526	-250.000000	-21.484375	-226.562500	2.0	hair
1691	0.438612	-1.081265	-1.303716	-15.625000	52.734375	5.859375	2.0	hair
1692	0.381917	-0.686259	-1.200979	97.656250	-13.671875	-97.656250	2.0	hair
1693	0.329150	-0.486755	-1.089338	19.531250	19.531250	-35.156250	2.0	hair
1694	0.247490	-0.392053	-1.041103	-11.718750	25.390625	-17.578125	2.0	hair
1695	0.229744	-0.385232	-1.024662	-13.671875	-11.718750	23.437500	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1696	0.256596	-0.374889	-0.996047	9.765625	-27.343750	-1.953125	2.0	hair
1697	0.322708	-0.362433	-0.972628	5.859375	-19.531250	-33.203125	0.0	hair
1698	0.362375	-0.348710	-0.952327	-5.859375	1.953125	13.671875	0.0	hair
1699	0.354925	-0.340476	-0.946396	-5.859375	7.812500	-13.671875	0.0	hair
1700	0.331705	-0.341786	-0.949088	-11.718750	11.718750	-5.859375	0.0	hair
1701	0.305273	-0.342571	-0.950703	-7.812500	3.906250	0.000000	0.0	hair
1702	0.301914	-0.336793	-0.951672	0.000000	-7.812500	-3.906250	0.0	hair
1703	0.318648	-0.327076	-0.952253	7.812500	-9.765625	-5.859375	0.0	hair
1704	0.366189	-0.289995	-0.946352	7.812500	-1.953125	-7.812500	0.0	hair
1705	0.343750	-0.304229	-0.941301	0.000000	0.000000	5.859375	1.0	hair
1706	0.343750	-0.320038	-0.946031	-5.859375	1.953125	11.718750	1.0	hair
1707	0.343750	-0.323273	-0.948868	-1.953125	1.953125	3.906250	1.0	hair
1708	0.337500	-0.331464	-0.944321	-1.953125	0.000000	-7.812500	1.0	hair
1709	0.340000	-0.330128	-0.941593	1.953125	-3.906250	-19.531250	1.0	hair
1710	0.322750	-0.316827	-0.946206	-1.953125	0.000000	-5.859375	1.0	hair
1711	0.343650	-0.308846	-0.948973	-1.953125	0.000000	0.000000	1.0	hair
1712	0.399940	-0.335308	-0.969384	-5.859375	3.906250	39.062500	1.0	hair
1713	0.564964	-0.594935	-1.081630	68.359375	27.343750	74.218750	2.0	hair
1714	0.582728	-0.800711	-1.173978	148.437500	35.156250	37.109375	2.0	hair
1715	0.455887	-1.049176	-1.260637	205.078125	62.500000	-27.343750	2.0	hair
1716	0.229782	-1.135756	-1.306382	248.046875	113.281250	-46.875000	2.0	hair
1717	0.094119	-0.906454	-1.140079	248.046875	101.562500	-7.812500	2.0	hair
1718	0.131472	-0.481372	-0.846548	248.046875	39.062500	23.437500	2.0	hair
1719	0.403883	0.048677	-0.651679	248.046875	-15.625000	48.828125	2.0	hair
1720	0.386080	0.535456	-0.391007	179.687500	-52.734375	7.812500	2.0	hair
1721	0.512898	0.821274	-0.197104	27.343750	-42.968750	-23.437500	2.0	hair
1722	0.501489	0.780264	-0.024513	-7.812500	-7.812500	17.578125	2.0	hair
1723	0.519643	0.818159	0.072792	-5.859375	-11.718750	5.859375	2.0	hair
1724	0.524286	0.834645	0.149925	-5.859375	-3.906250	-1.953125	2.0	hair
1725	0.520822	0.838287	0.202455	-3.906250	-5.859375	0.000000	2.0	hair
1726	0.524993	0.840472	0.227723	-7.812500	-5.859375	-1.953125	2.0	hair
1727	0.527496	0.848033	0.236634	-3.906250	0.000000	0.000000	2.0	hair
1728	0.528997	0.840070	0.260730	-5.859375	1.953125	0.000000	2.0	hair
1729	0.523648	0.841542	0.275188	-5.859375	3.906250	1.953125	2.0	hair
1730	0.520439	0.836175	0.283863	-1.953125	5.859375	0.000000	2.0	hair
1731	0.518513	0.832955	0.301568	-1.953125	3.906250	1.953125	2.0	hair
1732	0.517358	0.831023	0.305941	-1.953125	3.906250	1.953125	2.0	hair
1733	0.516665	0.829864	0.314814	-1.953125	3.906250	3.906250	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1734	0.528749	0.822918	0.313889	0.000000	0.000000	3.906250	2.0	hair
1735	0.535999	0.812501	0.307083	-1.953125	3.906250	7.812500	2.0	hair
1736	0.559100	0.806251	0.290500	-5.859375	5.859375	11.718750	2.0	hair
1737	0.597960	0.783750	0.274300	-17.578125	5.859375	23.437500	2.0	hair
1738	0.677526	0.757750	0.239580	-3.906250	58.593750	27.343750	2.0	hair
1739	0.700266	0.823400	0.099998	-76.171875	158.203125	-52.734375	2.0	hair
1740	0.463909	0.819040	-0.033751	-224.609375	191.406250	-95.703125	2.0	hair
1741	0.209596	0.528924	-0.301501	-250.000000	197.265625	-140.625000	2.0	hair
1742	-0.061743	-0.082646	-0.780900	-250.000000	121.093750	-111.328125	2.0	hair
1743	-0.205796	-0.680837	-1.268540	-250.000000	19.531250	-31.250000	2.0	hair
1744	-0.160977	-0.908502	-1.479874	-212.890625	85.937500	-250.000000	2.0	hair
1745	-0.096586	-0.926351	-1.362924	-68.359375	-15.625000	-99.609375	2.0	hair
1746	0.242048	-0.668311	-1.186505	83.984375	39.062500	-64.453125	2.0	hair
1747	0.276479	-0.532237	-1.099403	-3.906250	-25.390625	-70.312500	2.0	hair
1748	0.240887	-0.425592	-1.053392	1.953125	44.921875	-19.531250	2.0	hair
1749	0.194532	-0.392855	-1.019535	-11.718750	23.437500	39.062500	2.0	hair
1750	0.191719	-0.379463	-0.999221	0.000000	-9.765625	-1.953125	2.0	hair
1751	0.233782	-0.365178	-0.980783	0.000000	-27.343750	-17.578125	0.0	hair
1752	0.365269	-0.337857	-0.975970	11.718750	-9.765625	-39.062500	0.0	hair
1753	0.369161	-0.321464	-0.966832	-5.859375	0.000000	-9.765625	0.0	hair
1754	0.346497	-0.311628	-0.961349	-1.953125	11.718750	-5.859375	0.0	hair
1755	0.320398	-0.318227	-0.951809	-7.812500	3.906250	-1.953125	0.0	hair
1756	0.317239	-0.328436	-0.946086	-1.953125	-3.906250	-1.953125	0.0	hair
1757	0.359093	-0.309562	-0.942651	0.000000	0.000000	1.953125	0.0	hair
1758	0.371706	-0.310737	-0.940591	-1.953125	0.000000	-9.765625	0.0	hair
1759	0.359331	-0.307165	-0.938628	0.000000	0.000000	-1.953125	1.0	hair
1760	0.359349	-0.303049	-0.944427	0.000000	0.000000	-1.953125	1.0	hair
1761	0.359359	-0.300580	-0.947906	0.000000	0.000000	-1.953125	1.0	hair
1762	0.359365	-0.299098	-0.943744	-1.953125	0.000000	0.000000	1.0	hair
1763	0.371869	-0.310709	-0.941246	-1.953125	0.000000	1.953125	1.0	hair
1764	0.398122	-0.323925	-0.945998	0.000000	3.906250	7.812500	1.0	hair
1765	0.432623	-0.356855	-0.967599	5.859375	3.906250	15.625000	1.0	hair
1766	0.503324	-0.482863	-1.005559	25.390625	0.000000	5.859375	1.0	hair
1767	0.570744	-0.695968	-1.084586	99.609375	35.156250	-5.859375	2.0	hair
1768	0.573697	-0.973831	-1.219501	185.546875	64.453125	29.296875	2.0	hair
1769	0.431718	-1.146798	-1.387951	248.046875	101.562500	-54.687500	2.0	hair
1770	0.252781	-0.975579	-1.289020	248.046875	119.140625	-27.343750	2.0	hair
1771	0.139168	-0.504097	-0.960912	248.046875	37.109375	9.765625	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1772	0.214751	-0.002458	-0.620297	248.046875	-48.828125	15.625000	2.0	hair
1773	0.310101	0.373525	-0.303428	158.203125	-33.203125	-99.609375	2.0	hair
1774	0.323560	0.617865	-0.063307	87.890625	-44.921875	-76.171875	2.0	hair
1775	0.369136	0.789469	0.049516	56.640625	-31.250000	-11.718750	2.0	hair
1776	0.433982	0.873681	0.098459	21.484375	-25.390625	3.906250	2.0	hair
1777	0.429139	0.905459	0.121576	5.859375	-9.765625	-5.859375	2.0	hair
1778	0.438733	0.918275	0.129195	9.765625	-1.953125	13.671875	2.0	hair
1779	0.450740	0.907215	0.146267	0.000000	-1.953125	7.812500	2.0	hair
1780	0.457944	0.900579	0.156510	-1.953125	-5.859375	-3.906250	2.0	hair
1781	0.456016	0.890347	0.162656	-5.859375	1.953125	5.859375	2.0	hair
1782	0.467360	0.890458	0.172594	-3.906250	0.000000	5.859375	2.0	hair
1783	0.474166	0.896775	0.178556	-3.906250	-3.906250	-3.906250	2.0	hair
1784	0.472000	0.888065	0.188384	-1.953125	0.000000	3.906250	2.0	hair
1785	0.476950	0.882839	0.188030	-3.906250	0.000000	3.906250	2.0	hair
1786	0.486170	0.879703	0.187818	0.000000	1.953125	1.953125	2.0	hair
1787	0.485452	0.877822	0.187691	1.953125	5.859375	7.812500	2.0	hair
1788	0.497521	0.870443	0.187615	0.000000	7.812500	5.859375	2.0	hair
1789	0.498513	0.866016	0.193819	0.000000	11.718750	1.953125	2.0	hair
1790	0.499108	0.869610	0.203791	1.953125	13.671875	1.953125	2.0	hair
1791	0.518215	0.865516	0.203525	0.000000	11.718750	0.000000	2.0	hair
1792	0.523429	0.863059	0.184615	-1.953125	23.437500	-1.953125	2.0	hair
1793	0.551557	0.861586	0.154519	-11.718750	41.015625	0.000000	2.0	hair
1794	0.518434	0.879451	0.136461	-41.015625	78.125000	-1.953125	2.0	hair
1795	0.454811	0.902671	0.131877	-113.281250	68.359375	-37.109375	2.0	hair
1796	0.354136	0.822853	0.122876	-222.656250	78.125000	-66.406250	2.0	hair
1797	0.193732	0.581212	0.098726	-250.000000	68.359375	-70.312500	2.0	hair
1798	0.028739	0.167477	-0.122015	-250.000000	64.453125	-42.968750	2.0	hair
1799	-0.045257	-0.399514	-0.404459	-250.000000	-15.625000	-160.156250	2.0	hair
1800	0.035346	-0.633458	-0.892675	-250.000000	-52.734375	-48.828125	2.0	hair
1801	0.202458	-0.880075	-1.316855	-226.562500	3.906250	-173.828125	2.0	hair
1802	0.502725	-0.815545	-1.308863	-5.859375	-82.031250	-140.625000	2.0	hair
1803	0.407885	-0.533077	-1.172818	95.703125	9.765625	-37.109375	2.0	hair
1804	0.338481	-0.432346	-1.084941	3.906250	5.859375	-31.250000	2.0	hair
1805	0.253089	-0.359408	-1.038464	-11.718750	23.437500	-17.578125	2.0	hair
1806	0.220603	-0.359395	-1.023079	-11.718750	-3.906250	15.625000	2.0	hair
1807	0.238612	-0.359387	-1.007597	15.625000	-17.578125	-15.625000	2.0	hair
1808	0.293167	-0.321882	-0.992058	21.484375	-13.671875	-33.203125	0.0	hair
1809	0.369650	-0.261879	-0.970235	-1.953125	9.765625	0.000000	0.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1810	0.365540	-0.282128	-0.969641	-9.765625	9.765625	-1.953125	0.0	hair
1811	0.344324	-0.281777	-0.956785	-13.671875	9.765625	-1.953125	0.0	hair
1812	0.331594	-0.300316	-0.955321	-5.859375	3.906250	-5.859375	0.0	hair
1813	0.342707	-0.305190	-0.948192	0.000000	-3.906250	-5.859375	0.0	hair
1814	0.355624	-0.295614	-0.950165	5.859375	-1.953125	-7.812500	0.0	hair
1815	0.369624	-0.277368	-0.945099	7.812500	0.000000	-9.765625	0.0	hair
1816	0.382097	-0.272994	-0.952824	-1.953125	0.000000	-1.953125	1.0	hair
1817	0.385508	-0.270046	-0.952945	-1.953125	0.000000	-1.953125	1.0	hair
1818	0.387555	-0.268278	-0.946767	-1.953125	0.000000	-3.906250	1.0	hair
1819	0.382533	-0.267217	-0.943060	0.000000	0.000000	-1.953125	1.0	hair
1820	0.379520	-0.266580	-0.940836	0.000000	0.000000	-1.953125	1.0	hair
1821	0.383962	-0.266198	-0.945752	0.000000	0.000000	0.000000	1.0	hair
1822	0.442877	-0.297219	-0.967451	0.000000	0.000000	21.484375	1.0	hair
1823	0.571976	-0.440831	-1.049221	17.578125	-21.484375	13.671875	1.0	hair
1824	0.655686	-0.608249	-1.185782	82.031250	23.437500	-56.640625	2.0	hair
1825	0.612161	-0.789949	-1.330219	125.000000	91.796875	-9.765625	2.0	hair
1826	0.429797	-0.880220	-1.454382	248.046875	193.359375	-54.687500	2.0	hair
1827	0.301628	-0.784382	-1.341379	248.046875	189.453125	-39.062500	2.0	hair
1828	0.155977	-0.420629	-0.936077	248.046875	134.765625	37.109375	2.0	hair
1829	0.143586	-0.014877	-0.555396	248.046875	23.437500	50.781250	2.0	hair
1830	0.304902	0.459824	-0.220738	156.250000	-25.390625	-87.890625	2.0	hair
1831	0.339191	0.675894	0.011307	93.750000	-35.156250	-60.546875	2.0	hair
1832	0.397265	0.780536	0.125534	68.359375	-17.578125	-7.812500	2.0	hair
1833	0.444609	0.837072	0.169071	19.531250	-13.671875	11.718750	2.0	hair
1834	0.460515	0.864743	0.195192	15.625000	-7.812500	-1.953125	2.0	hair
1835	0.476309	0.875096	0.210865	9.765625	-1.953125	9.765625	2.0	hair
1836	0.498285	0.868808	0.207769	1.953125	-3.906250	7.812500	2.0	hair
1837	0.511471	0.865035	0.205912	0.000000	-1.953125	-1.953125	2.0	hair
1838	0.506883	0.862771	0.211047	-3.906250	1.953125	5.859375	2.0	hair
1839	0.510380	0.861412	0.220378	-7.812500	1.953125	5.859375	2.0	hair
1840	0.506228	0.860597	0.219727	-3.906250	1.953125	-7.812500	2.0	hair
1841	0.503737	0.860108	0.231836	-7.812500	3.906250	3.906250	2.0	hair
1842	0.508492	0.853565	0.251602	-9.765625	3.906250	5.859375	2.0	hair
1843	0.511345	0.849639	0.263461	-3.906250	5.859375	3.906250	2.0	hair
1844	0.513057	0.841033	0.270577	-5.859375	3.906250	3.906250	2.0	hair
1845	0.520334	0.835870	0.287346	-5.859375	3.906250	1.953125	2.0	hair
1846	0.518451	0.832772	0.297408	0.000000	3.906250	3.906250	2.0	hair
1847	0.529820	0.824663	0.297195	0.000000	1.953125	1.953125	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1848	0.536642	0.813548	0.297067	-1.953125	5.859375	0.000000	2.0	hair
1849	0.534485	0.813129	0.296990	-1.953125	9.765625	3.906250	2.0	hair
1850	0.545691	0.806627	0.296944	0.000000	13.671875	5.859375	2.0	hair
1851	0.577415	0.796476	0.290666	-9.765625	21.484375	11.718750	2.0	hair
1852	0.602699	0.784136	0.268150	-23.437500	58.593750	-7.812500	2.0	hair
1853	0.549119	0.820481	0.229640	-68.359375	89.843750	-48.828125	2.0	hair
1854	0.404472	0.848539	0.187784	-175.781250	95.703125	-93.750000	2.0	hair
1855	0.198933	0.734123	0.006420	-250.000000	128.906250	-56.640625	2.0	hair
1856	0.025610	0.340474	-0.408648	-250.000000	128.906250	-60.546875	2.0	hair
1857	-0.047134	-0.226966	-0.982689	-250.000000	-41.015625	-250.000000	2.0	hair
1858	0.227970	-0.736179	-1.389613	-250.000000	-1.953125	-162.109375	2.0	hair
1859	0.130532	-0.847958	-1.446268	-99.609375	42.968750	-117.187500	2.0	hair
1860	0.472069	-0.671275	-1.292761	152.343750	29.296875	-99.609375	2.0	hair
1861	0.408241	-0.434015	-1.169406	27.343750	1.953125	-44.921875	2.0	hair
1862	0.326195	-0.366659	-1.101644	7.812500	42.968750	-1.953125	2.0	hair
1863	0.251967	-0.319995	-1.060986	-1.953125	13.671875	13.671875	2.0	hair
1864	0.257430	-0.304497	-1.017842	3.906250	-21.484375	7.812500	2.0	hair
1865	0.298208	-0.301448	-0.985705	-5.859375	-35.156250	-31.250000	2.0	hair
1866	0.366425	-0.305869	-0.978923	-3.906250	-23.437500	-29.296875	0.0	hair
1867	0.407355	-0.296021	-0.968604	1.953125	1.953125	-7.812500	0.0	hair
1868	0.400663	-0.290113	-0.962412	-5.859375	13.671875	-1.953125	0.0	hair
1869	0.371648	-0.286568	-0.958697	-5.859375	15.625000	0.000000	0.0	hair
1870	0.341739	-0.284441	-0.956468	-3.906250	5.859375	1.953125	0.0	hair
1871	0.336293	-0.283164	-0.955131	0.000000	-5.859375	-3.906250	0.0	hair
1872	0.358026	-0.282399	-0.954329	3.906250	-7.812500	-3.906250	0.0	hair
1873	0.377316	-0.275689	-0.953847	3.906250	-5.859375	-3.906250	0.0	hair
1874	0.382501	-0.274658	-0.953066	-1.953125	0.000000	0.000000	1.0	hair
1875	0.392000	-0.277295	-0.953090	0.000000	3.906250	0.000000	1.0	hair
1876	0.391450	-0.272627	-0.946854	0.000000	5.859375	-1.953125	1.0	hair
1877	0.384870	-0.269826	-0.943112	-1.953125	5.859375	0.000000	1.0	hair
1878	0.380922	-0.268146	-0.940867	-1.953125	1.953125	0.000000	1.0	hair
1879	0.397303	-0.267137	-0.945770	0.000000	1.953125	7.812500	1.0	hair
1880	0.463382	-0.291532	-0.961212	0.000000	-1.953125	29.296875	1.0	hair
1881	0.565529	-0.449919	-1.039227	15.625000	-7.812500	42.968750	1.0	hair
1882	0.614318	-0.657452	-1.148536	95.703125	29.296875	27.343750	2.0	hair
1883	0.518591	-0.938221	-1.345372	203.125000	82.031250	-19.531250	2.0	hair
1884	0.323654	-1.056683	-1.494723	248.046875	123.046875	-58.593750	2.0	hair
1885	0.175443	-0.765260	-1.371834	248.046875	166.015625	-44.921875	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1886	0.161516	-0.309156	-1.029350	248.046875	41.015625	44.921875	2.0	hair
1887	0.265659	0.277007	-0.686360	248.046875	-1.953125	-33.203125	2.0	hair
1888	0.303146	0.609954	-0.349316	158.203125	-54.687500	-50.781250	2.0	hair
1889	0.400637	0.834722	-0.147090	39.062500	-33.203125	-9.765625	2.0	hair
1890	0.427882	0.838333	-0.019504	5.859375	-7.812500	19.531250	2.0	hair
1891	0.469229	0.859250	0.069548	0.000000	-21.484375	-5.859375	2.0	hair
1892	0.462788	0.884300	0.122979	0.000000	-9.765625	1.953125	2.0	hair
1893	0.483923	0.899330	0.136287	-3.906250	-9.765625	7.812500	2.0	hair
1894	0.502854	0.889598	0.163022	-9.765625	-11.718750	-7.812500	2.0	hair
1895	0.501712	0.871259	0.191563	-9.765625	-3.906250	3.906250	2.0	hair
1896	0.501027	0.847755	0.208688	-3.906250	1.953125	3.906250	2.0	hair
1897	0.494366	0.858653	0.212713	0.000000	7.812500	-1.953125	2.0	hair
1898	0.496620	0.858942	0.227628	0.000000	5.859375	0.000000	2.0	hair
1899	0.497972	0.859115	0.242827	0.000000	1.953125	-7.812500	2.0	hair
1900	0.486283	0.859219	0.245696	0.000000	5.859375	0.000000	2.0	hair
1901	0.485520	0.865531	0.253668	-3.906250	5.859375	0.000000	2.0	hair
1902	0.478812	0.863069	0.264701	-5.859375	1.953125	-3.906250	2.0	hair
1903	0.474787	0.861591	0.277570	-1.953125	3.906250	1.953125	2.0	hair
1904	0.472372	0.860705	0.279042	-1.953125	3.906250	0.000000	2.0	hair
1905	0.470923	0.860173	0.279925	0.000000	7.812500	1.953125	2.0	hair
1906	0.470054	0.859854	0.286705	0.000000	5.859375	3.906250	2.0	hair
1907	0.475782	0.853412	0.290773	-5.859375	5.859375	3.906250	2.0	hair
1908	0.472969	0.843297	0.305714	-5.859375	7.812500	1.953125	2.0	hair
1909	0.490032	0.837228	0.308428	-1.953125	5.859375	0.000000	2.0	hair
1910	0.494019	0.833587	0.303807	-3.906250	19.531250	-3.906250	2.0	hair
1911	0.477661	0.843902	0.307284	0.000000	29.296875	-1.953125	2.0	hair
1912	0.442847	0.862591	0.321871	-1.953125	35.156250	-11.718750	2.0	hair
1913	0.396958	0.880055	0.336872	-9.765625	27.343750	-11.718750	2.0	hair
1914	0.388175	0.896783	0.333373	-35.156250	27.343750	-17.578125	2.0	hair
1915	0.339155	0.900570	0.325024	-78.125000	44.921875	-11.718750	2.0	hair
1916	0.297243	0.871592	0.295014	-146.484375	46.875000	-25.390625	2.0	hair
1917	0.222096	0.816705	0.120759	-250.000000	87.890625	-15.625000	2.0	hair
1918	0.102007	0.421273	-0.221295	-250.000000	99.609375	-37.109375	2.0	hair
1919	0.036204	-0.240986	-0.695277	-250.000000	-13.671875	-210.937500	2.0	hair
1920	0.134223	-0.632092	-1.142166	-250.000000	-11.718750	-148.437500	2.0	hair
1921	0.330534	-0.798005	-1.485300	-250.000000	-52.734375	-89.843750	2.0	hair
1922	0.860820	-0.797553	-1.516180	-72.265625	-144.531250	109.375000	2.0	hair
1923	0.610242	-0.534782	-1.359708	119.140625	35.156250	-158.203125	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1924	0.434895	-0.364619	-1.228325	31.250000	48.828125	-11.718750	2.0	hair
1925	0.285937	-0.293771	-1.130745	31.250000	25.390625	-1.953125	2.0	hair
1926	0.259062	-0.257513	-1.084697	29.296875	-31.250000	-11.718750	2.0	hair
1927	0.286687	-0.235758	-1.038318	21.484375	-41.015625	-27.343750	2.0	hair
1928	0.359512	-0.235205	-1.010491	7.812500	-23.437500	-52.734375	2.0	hair
1929	0.390707	-0.228623	-0.993795	-9.765625	-1.953125	-5.859375	0.0	hair
1930	0.378174	-0.237174	-0.983777	-23.437500	11.718750	1.953125	0.0	hair
1931	0.339405	-0.254804	-0.984016	-25.390625	17.578125	7.812500	0.0	hair
1932	0.303643	-0.271633	-0.984160	-13.671875	11.718750	0.000000	0.0	hair
1933	0.288436	-0.275480	-0.977996	0.000000	-5.859375	-7.812500	0.0	hair
1934	0.304311	-0.271538	-0.980547	11.718750	-11.718750	-5.859375	0.0	hair
1935	0.332587	-0.262923	-0.975828	17.578125	-9.765625	-5.859375	0.0	hair
1936	0.355802	-0.245254	-0.972997	15.625000	-3.906250	-3.906250	0.0	hair
1937	0.357965	-0.247077	-0.967909	0.000000	0.000000	-1.953125	1.0	hair
1938	0.358529	-0.248246	-0.961996	1.953125	0.000000	-1.953125	1.0	hair
1939	0.358867	-0.242698	-0.958447	0.000000	0.000000	-1.953125	1.0	hair
1940	0.365320	-0.239369	-0.962568	0.000000	0.000000	-1.953125	1.0	hair
1941	0.369192	-0.237371	-0.965041	-1.953125	1.953125	0.000000	1.0	hair
1942	0.365265	-0.242423	-0.960275	-3.906250	1.953125	3.906250	1.0	hair
1943	0.381659	-0.270454	-0.969915	0.000000	-1.953125	7.812500	1.0	hair
1944	0.460246	-0.381022	-1.013199	25.390625	-5.859375	13.671875	1.0	hair
1945	0.557397	-0.553613	-1.101669	97.656250	17.578125	-21.484375	2.0	hair
1946	0.609438	-0.719668	-1.167252	123.046875	23.437500	-21.484375	2.0	hair
1947	0.559413	-0.981801	-1.287851	185.546875	105.468750	-46.875000	2.0	hair
1948	0.360648	-1.039080	-1.385211	248.046875	199.218750	-62.500000	2.0	hair
1949	0.135139	-0.729698	-1.199876	248.046875	187.500000	-5.859375	2.0	hair
1950	0.068583	-0.256569	-0.832426	248.046875	39.062500	33.203125	2.0	hair
1951	0.247400	0.289809	-0.543205	248.046875	-11.718750	-148.437500	2.0	hair
1952	0.210940	0.617635	-0.294673	103.515625	-52.734375	3.906250	2.0	hair
1953	0.370314	0.870581	-0.126804	54.687500	-21.484375	-35.156250	2.0	hair
1954	0.428438	0.859849	0.005168	9.765625	9.765625	35.156250	2.0	hair
1955	0.469563	0.865909	0.078101	5.859375	3.906250	21.484375	2.0	hair
1956	0.475488	0.888296	0.121860	0.000000	0.000000	5.859375	2.0	hair
1957	0.510293	0.882977	0.141866	-13.671875	-17.578125	1.953125	2.0	hair
1958	0.524926	0.867286	0.160120	-5.859375	0.000000	0.000000	2.0	hair
1959	0.527455	0.851622	0.183572	-5.859375	1.953125	3.906250	2.0	hair
1960	0.535223	0.842223	0.203893	-3.906250	3.906250	0.000000	2.0	hair
1961	0.527384	0.842834	0.222336	-1.953125	3.906250	-1.953125	2.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
1962	0.516430	0.843200	0.245902	-3.906250	0.000000	0.000000	2.0	hair
1963	0.516108	0.849670	0.253791	-1.953125	0.000000	0.000000	2.0	hair
1964	0.515915	0.847302	0.252275	-1.953125	1.953125	0.000000	2.0	hair
1965	0.515799	0.839631	0.263865	-7.812500	0.000000	0.000000	2.0	hair
1966	0.521979	0.841279	0.270819	-3.906250	1.953125	0.000000	2.0	hair
1967	0.525688	0.829767	0.274991	-5.859375	3.906250	0.000000	2.0	hair
1968	0.527913	0.835360	0.271245	-5.859375	5.859375	0.000000	2.0	hair
1969	0.535498	0.832466	0.268997	-13.671875	5.859375	-11.718750	2.0	hair
1970	0.540049	0.836980	0.280148	-25.390625	13.671875	-15.625000	2.0	hair
1971	0.530279	0.827188	0.305589	-42.968750	21.484375	-25.390625	2.0	hair
1972	0.499417	0.802563	0.345853	-56.640625	31.250000	-31.250000	2.0	hair
1973	0.412150	0.806538	0.395012	-72.265625	44.921875	-17.578125	2.0	hair
1974	0.328540	0.815173	0.424507	-121.093750	42.968750	-39.062500	2.0	hair
1975	0.215874	0.739104	0.404704	-226.562500	50.781250	-21.484375	2.0	hair
1976	0.129525	0.530962	0.286573	-250.000000	54.687500	-5.859375	2.0	hair
1977	0.046465	0.162327	0.003194	-250.000000	62.500000	-17.578125	2.0	hair
1978	-0.028371	-0.315104	-0.573084	-250.000000	-5.859375	-123.046875	2.0	hair
1979	0.070477	-0.670312	-1.118850	-250.000000	-35.156250	-197.265625	2.0	hair
1980	0.217286	-0.683437	-1.377560	-175.781250	-33.203125	-74.218750	2.0	hair
1981	0.417872	-0.678812	-1.239036	83.984375	21.484375	-60.546875	2.0	hair
1982	0.400723	-0.469787	-1.162172	60.546875	-11.718750	-128.906250	2.0	hair
1983	0.315434	-0.338122	-1.066053	-7.812500	41.015625	-15.625000	2.0	hair
1984	0.258010	-0.327873	-1.045882	-13.671875	15.625000	-3.906250	2.0	hair
1985	0.261056	-0.321724	-1.033779	19.531250	-23.437500	-9.765625	2.0	hair
1986	0.306634	-0.293034	-1.014017	27.343750	-29.296875	-9.765625	2.0	hair
1987	0.352730	-0.269571	-0.989660	17.578125	-19.531250	-11.718750	0.0	hair
1988	0.380388	-0.249242	-0.968796	0.000000	0.000000	-3.906250	0.0	hair
1989	0.378233	-0.249545	-0.962528	-17.578125	11.718750	0.000000	0.0	hair
1990	0.364440	-0.262227	-0.958767	-23.437500	9.765625	-5.859375	0.0	hair
1991	0.349914	-0.282336	-0.962760	-21.484375	7.812500	-5.859375	0.0	hair
1992	0.334948	-0.294402	-0.965156	-5.859375	0.000000	0.000000	0.0	hair
1993	0.332219	-0.289141	-0.966594	9.765625	-5.859375	1.953125	0.0	hair
1994	0.343081	-0.279735	-0.961206	13.671875	-9.765625	1.953125	0.0	hair
1995	0.369065	-0.370521	-0.912383	1.953125	-3.906250	-9.765625	1.0	hair
1996	0.371439	-0.359813	-0.916180	0.000000	-1.953125	-5.859375	1.0	hair
1997	0.372863	-0.359638	-0.918458	-3.906250	0.000000	1.953125	1.0	hair
1998	0.373718	-0.365783	-0.919825	-3.906250	0.000000	1.953125	1.0	hair
1999	0.374231	-0.363220	-0.914395	-1.953125	1.953125	1.953125	1.0	hair

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2000	0.399539	-0.386682	-0.911137	-3.906250	-7.812500	3.906250	1.0	hair
2001	0.489723	-0.450759	-0.921682	11.718750	-1.953125	33.203125	1.0	hair
2002	0.556334	-0.557955	-0.934259	29.296875	29.296875	50.781250	1.0	hair
2003	0.533800	-0.772273	-1.060556	89.843750	41.015625	-39.062500	2.0	hair
2004	0.464030	-1.050864	-1.205083	193.359375	44.921875	-3.906250	2.0	hair
2005	0.340918	-1.186768	-1.391800	248.046875	87.890625	-41.015625	2.0	hair
2006	0.198301	-0.974561	-1.347580	248.046875	109.375000	-37.109375	2.0	hair
2007	0.175231	-0.415987	-0.989798	248.046875	25.390625	46.875000	2.0	hair
2008	0.336388	0.156658	-0.662629	248.046875	-23.437500	-27.343750	2.0	hair
2009	0.383083	0.481495	-0.316327	121.093750	-35.156250	-95.703125	2.0	hair
2010	0.423600	0.620147	-0.052296	74.218750	-31.250000	-74.218750	2.0	hair
2011	0.379160	0.772088	0.056122	68.359375	-5.859375	-13.671875	2.0	hair
2012	0.396246	0.844503	0.096173	23.437500	-17.578125	-9.765625	2.0	hair
2013	0.393998	0.894202	0.113954	15.625000	-13.671875	-1.953125	2.0	hair
2014	0.398899	0.955271	0.118372	9.765625	0.000000	5.859375	2.0	hair
2015	0.401839	0.923163	0.121023	0.000000	-1.953125	1.953125	2.0	hair
2016	0.403603	0.903898	0.135114	-3.906250	0.000000	3.906250	2.0	hair
2017	0.404662	0.911089	0.143568	0.000000	5.859375	7.812500	2.0	hair
2018	0.411547	0.909153	0.154891	-1.953125	0.000000	5.859375	2.0	hair
2019	0.421928	0.907992	0.149185	0.000000	3.906250	13.671875	2.0	hair
2020	0.446907	0.901045	0.133261	0.000000	9.765625	21.484375	2.0	hair
2021	0.530644	0.884377	0.092456	-31.250000	13.671875	60.546875	2.0	hair
2022	0.674637	0.836876	0.036724	-56.640625	91.796875	126.953125	2.0	hair
2023	0.717282	0.839626	-0.009216	-74.218750	197.265625	83.984375	2.0	hair
2024	0.549119	0.835025	-0.093029	-210.937500	248.046875	9.765625	2.0	hair
2025	0.254471	0.432265	-0.493318	-250.000000	248.046875	-99.609375	2.0	hair
2026	-0.141067	-0.115641	-1.033491	-250.000000	248.046875	-17.578125	0.0	hair
2027	-0.422140	-0.681885	-1.263844	-250.000000	193.359375	-216.796875	0.0	hair
2028	-0.465784	-0.827881	-1.377057	-154.296875	83.984375	-89.843750	0.0	hair
2029	-0.135720	-0.865478	-1.344984	82.031250	97.656250	-250.000000	0.0	hair
2030	0.031068	-0.631787	-1.206990	41.015625	-31.250000	-107.421875	0.0	hair
2031	0.124891	-0.410322	-1.136694	37.109375	-11.718750	-123.046875	0.0	hair
2032	0.143684	-0.352443	-1.075767	-9.765625	7.812500	66.406250	0.0	hair
2033	0.161211	-0.355216	-1.032960	0.000000	0.000000	-7.812500	0.0	hair
2034	0.296790	-0.243775	-0.988895	0.000000	0.000000	0.000000	1.0	listen
2035	0.303074	-0.240015	-0.974587	0.000000	-3.906250	-3.906250	1.0	listen
2036	0.319344	-0.269009	-0.978502	1.953125	-1.953125	7.812500	1.0	listen
2037	0.322857	-0.286405	-0.980851	17.578125	7.812500	29.296875	1.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2038	0.306214	-0.278093	-0.969761	9.765625	7.812500	19.531250	1.0	listen
2039	0.271228	-0.285606	-0.975606	1.953125	1.953125	9.765625	1.0	listen
2040	0.281487	-0.340114	-0.979114	3.906250	-19.531250	64.453125	1.0	listen
2041	0.281392	-0.585318	-1.043718	41.015625	-46.875000	191.406250	1.0	listen
2042	0.231335	-0.926191	-1.163731	177.734375	9.765625	46.875000	2.0	listen
2043	0.132551	-1.118215	-1.241989	248.046875	50.781250	1.953125	2.0	listen
2044	0.042031	-1.089679	-1.176443	248.046875	42.968750	-7.812500	2.0	listen
2045	0.062718	-0.797557	-0.918366	248.046875	31.250000	72.265625	2.0	listen
2046	0.100131	-0.284784	-0.563520	248.046875	83.984375	117.187500	2.0	listen
2047	0.041329	0.204129	-0.256862	205.078125	125.000000	74.218750	2.0	listen
2048	-0.093953	0.441228	0.052133	-52.734375	29.296875	13.671875	2.0	listen
2049	-0.175122	0.452237	0.400030	-37.109375	-1.953125	-15.625000	2.0	listen
2050	-0.273823	0.471342	0.558768	-9.765625	11.718750	-7.812500	2.0	listen
2051	-0.339294	0.470305	0.635261	-1.953125	0.000000	-7.812500	2.0	listen
2052	-0.384826	0.469683	0.693656	0.000000	-5.859375	-5.859375	2.0	listen
2053	-0.405896	0.488060	0.722444	1.953125	-9.765625	0.000000	2.0	listen
2054	-0.412287	0.505336	0.739716	5.859375	-9.765625	0.000000	2.0	listen
2055	-0.391122	0.528202	0.750080	5.859375	-15.625000	11.718750	2.0	listen
2056	-0.315923	0.591921	0.706298	-44.921875	-19.531250	82.031250	2.0	listen
2057	-0.202054	0.580153	0.717529	-91.796875	5.859375	-3.906250	2.0	listen
2058	-0.221232	0.516842	0.636767	-183.593750	41.015625	-39.062500	2.0	listen
2059	-0.263989	0.285105	0.500810	-250.000000	46.875000	-64.453125	2.0	listen
2060	-0.270894	-0.078937	0.294236	-250.000000	31.250000	-68.359375	2.0	listen
2061	-0.318786	-0.341112	-0.079708	-250.000000	37.109375	-50.781250	2.0	listen
2062	-0.360022	-0.560917	-0.454075	-250.000000	25.390625	-58.593750	2.0	listen
2063	-0.191013	-0.655300	-0.672445	-250.000000	-31.250000	-93.750000	2.0	listen
2064	0.135392	-0.993180	-0.859717	-126.953125	203.125000	-15.625000	2.0	listen
2065	0.124985	-0.764658	-1.015830	-101.562500	158.203125	58.593750	2.0	listen
2066	0.231241	-0.733795	-1.015748	46.875000	-44.921875	-105.468750	2.0	listen
2067	0.294995	-0.527777	-0.965699	-7.812500	-25.390625	11.718750	2.0	listen
2068	0.308247	-0.429166	-0.948169	-9.765625	7.812500	-5.859375	2.0	listen
2069	0.347448	-0.401250	-0.950152	0.000000	-1.953125	-11.718750	0.0	listen
2070	0.364719	-0.372000	-0.938841	-3.906250	-5.859375	-7.812500	0.0	listen
2071	0.362581	-0.354450	-0.938305	-5.859375	-1.953125	-1.953125	0.0	listen
2072	0.348799	-0.343920	-0.944233	0.000000	-1.953125	-3.906250	0.0	listen
2073	0.346779	-0.337602	-0.941540	0.000000	-5.859375	-3.906250	0.0	listen
2074	0.354306	-0.319642	-0.937814	-1.953125	-1.953125	-1.953125	0.0	listen
2075	0.356333	-0.316785	-0.937688	0.000000	-1.953125	-1.953125	1.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2076	0.357550	-0.321321	-0.937613	-1.953125	0.000000	1.953125	1.0	listen
2077	0.358280	-0.324043	-0.937568	0.000000	0.000000	0.000000	1.0	listen
2078	0.358718	-0.331926	-0.937541	0.000000	0.000000	0.000000	1.0	listen
2079	0.358981	-0.336655	-0.937524	0.000000	-1.953125	0.000000	1.0	listen
2080	0.365388	-0.376993	-0.925015	-7.812500	-17.578125	7.812500	1.0	listen
2081	0.412983	-0.576196	-0.967509	5.859375	-31.250000	83.984375	1.0	listen
2082	0.372790	-0.808218	-1.074255	123.046875	-17.578125	80.078125	2.0	listen
2083	0.279924	-1.003681	-1.132053	248.046875	-39.062500	-9.765625	2.0	listen
2084	0.199204	-1.077208	-1.104232	248.046875	-1.953125	17.578125	2.0	listen
2085	0.150773	-0.977575	-0.918789	248.046875	-3.906250	11.718750	2.0	listen
2086	0.140464	-0.699045	-0.588773	248.046875	17.578125	54.687500	2.0	listen
2087	0.153028	-0.350677	-0.234514	248.046875	58.593750	35.156250	2.0	listen
2088	0.066817	0.008344	0.021792	187.500000	83.984375	1.953125	2.0	listen
2089	-0.078660	0.467506	0.194325	83.984375	48.828125	-3.906250	2.0	listen
2090	-0.115946	0.468004	0.447845	-29.296875	13.671875	-9.765625	2.0	listen
2091	-0.225818	0.524552	0.587457	-9.765625	5.859375	-1.953125	2.0	listen
2092	-0.285491	0.539731	0.658724	0.000000	5.859375	-1.953125	2.0	listen
2093	-0.315044	0.555089	0.682735	0.000000	0.000000	3.906250	2.0	listen
2094	-0.320277	0.570553	0.709641	-3.906250	-1.953125	5.859375	2.0	listen
2095	-0.317166	0.567332	0.719534	1.953125	-1.953125	3.906250	2.0	listen
2096	-0.315300	0.571649	0.725471	0.000000	-3.906250	0.000000	2.0	listen
2097	-0.276680	0.617990	0.729032	-9.765625	-5.859375	11.718750	2.0	listen
2098	-0.259758	0.645794	0.724919	-56.640625	23.437500	62.500000	2.0	listen
2099	-0.268355	0.681226	0.697452	-101.562500	7.812500	-23.437500	2.0	listen
2100	-0.248513	0.602486	0.618471	-181.640625	-19.531250	-58.593750	2.0	listen
2101	-0.192858	0.392741	0.446083	-250.000000	-42.968750	-54.687500	2.0	listen
2102	-0.109465	-0.083105	0.205150	-250.000000	-1.953125	-42.968750	2.0	listen
2103	-0.078179	-0.468613	-0.045660	-250.000000	-23.437500	-48.828125	2.0	listen
2104	-0.053157	-0.724918	-0.346146	-250.000000	-3.906250	-39.062500	2.0	listen
2105	0.005606	-0.909951	-0.607688	-177.734375	9.765625	11.718750	2.0	listen
2106	0.059613	-0.820970	-0.727113	-138.671875	7.812500	-35.156250	2.0	listen
2107	0.098268	-0.805082	-0.848768	-89.843750	62.500000	-44.921875	2.0	listen
2108	0.327711	-0.776799	-0.971761	0.000000	74.218750	-3.906250	0.0	listen
2109	0.352876	-0.616080	-0.945556	21.484375	-19.531250	-33.203125	0.0	listen
2110	0.349226	-0.463398	-0.936084	1.953125	1.953125	-5.859375	0.0	listen
2111	0.303286	-0.384289	-0.942900	-11.718750	7.812500	21.484375	0.0	listen
2112	0.313221	-0.386823	-0.946990	3.906250	-7.812500	-25.390625	0.0	listen
2113	0.296790	-0.243775	-0.988895	0.000000	0.000000	0.000000	1.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2114	0.303074	-0.240015	-0.974587	0.000000	-3.906250	-3.906250	1.0	listen
2115	0.319344	-0.269009	-0.978502	1.953125	-1.953125	7.812500	1.0	listen
2116	0.322857	-0.286405	-0.980851	17.578125	7.812500	29.296875	1.0	listen
2117	0.306214	-0.278093	-0.969761	9.765625	7.812500	19.531250	1.0	listen
2118	0.271228	-0.285606	-0.975606	1.953125	1.953125	9.765625	1.0	listen
2119	0.281487	-0.340114	-0.979114	3.906250	-19.531250	64.453125	1.0	listen
2120	0.281392	-0.585318	-1.043718	41.015625	-46.875000	191.406250	1.0	listen
2121	0.231335	-0.926191	-1.163731	177.734375	9.765625	46.875000	2.0	listen
2122	0.132551	-1.118215	-1.241989	248.046875	50.781250	1.953125	2.0	listen
2123	0.042031	-1.089679	-1.176443	248.046875	42.968750	-7.812500	2.0	listen
2124	0.062718	-0.797557	-0.918366	248.046875	31.250000	72.265625	2.0	listen
2125	0.100131	-0.284784	-0.563520	248.046875	83.984375	117.187500	2.0	listen
2126	0.041329	0.204129	-0.256862	205.078125	125.000000	74.218750	2.0	listen
2127	-0.093953	0.441228	0.052133	-52.734375	29.296875	13.671875	2.0	listen
2128	-0.175122	0.452237	0.400030	-37.109375	-1.953125	-15.625000	2.0	listen
2129	-0.273823	0.471342	0.558768	-9.765625	11.718750	-7.812500	2.0	listen
2130	-0.339294	0.470305	0.635261	-1.953125	0.000000	-7.812500	2.0	listen
2131	-0.384826	0.469683	0.693656	0.000000	-5.859375	-5.859375	2.0	listen
2132	-0.405896	0.488060	0.722444	1.953125	-9.765625	0.000000	2.0	listen
2133	-0.412287	0.505336	0.739716	5.859375	-9.765625	0.000000	2.0	listen
2134	-0.391122	0.528202	0.750080	5.859375	-15.625000	11.718750	2.0	listen
2135	-0.315923	0.591921	0.706298	-44.921875	-19.531250	82.031250	2.0	listen
2136	-0.202054	0.580153	0.717529	-91.796875	5.859375	-3.906250	2.0	listen
2137	-0.221232	0.516842	0.636767	-183.593750	41.015625	-39.062500	2.0	listen
2138	-0.263989	0.285105	0.500810	-250.000000	46.875000	-64.453125	2.0	listen
2139	-0.270894	-0.078937	0.294236	-250.000000	31.250000	-68.359375	2.0	listen
2140	-0.318786	-0.341112	-0.079708	-250.000000	37.109375	-50.781250	2.0	listen
2141	-0.360022	-0.560917	-0.454075	-250.000000	25.390625	-58.593750	2.0	listen
2142	-0.191013	-0.655300	-0.672445	-250.000000	-31.250000	-93.750000	2.0	listen
2143	0.135392	-0.993180	-0.859717	-126.953125	203.125000	-15.625000	2.0	listen
2144	0.124985	-0.764658	-1.015830	-101.562500	158.203125	58.593750	2.0	listen
2145	0.231241	-0.733795	-1.015748	46.875000	-44.921875	-105.468750	2.0	listen
2146	0.294995	-0.527777	-0.965699	-7.812500	-25.390625	11.718750	2.0	listen
2147	0.308247	-0.429166	-0.948169	-9.765625	7.812500	-5.859375	2.0	listen
2148	0.347448	-0.401250	-0.950152	0.000000	-1.953125	-11.718750	0.0	listen
2149	0.364719	-0.372000	-0.938841	-3.906250	-5.859375	-7.812500	0.0	listen
2150	0.362581	-0.354450	-0.938305	-5.859375	-1.953125	-1.953125	0.0	listen
2151	0.348799	-0.343920	-0.944233	0.000000	-1.953125	-3.906250	0.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2152	0.346779	-0.337602	-0.941540	0.000000	-5.859375	-3.906250	0.0	listen
2153	0.358068	-0.321311	-0.939924	1.953125	-3.906250	-5.859375	0.0	listen
2154	0.364841	-0.317787	-0.938954	-1.953125	-1.953125	0.000000	0.0	listen
2155	0.362654	-0.321922	-0.938373	-1.953125	-1.953125	1.953125	0.0	listen
2156	0.354306	-0.319642	-0.937814	-1.953125	-1.953125	-1.953125	0.0	listen
2157	0.356333	-0.316785	-0.937688	0.000000	-1.953125	-1.953125	1.0	listen
2158	0.357550	-0.321321	-0.937613	-1.953125	0.000000	1.953125	1.0	listen
2159	0.358280	-0.324043	-0.937568	0.000000	0.000000	0.000000	1.0	listen
2160	0.358718	-0.331926	-0.937541	0.000000	0.000000	0.000000	1.0	listen
2161	0.358981	-0.336655	-0.937524	0.000000	-1.953125	0.000000	1.0	listen
2162	0.365388	-0.376993	-0.925015	-7.812500	-17.578125	7.812500	1.0	listen
2163	0.412983	-0.576196	-0.967509	5.859375	-31.250000	83.984375	1.0	listen
2164	0.372790	-0.808218	-1.074255	123.046875	-17.578125	80.078125	2.0	listen
2165	0.279924	-1.003681	-1.132053	248.046875	-39.062500	-9.765625	2.0	listen
2166	0.199204	-1.077208	-1.104232	248.046875	-1.953125	17.578125	2.0	listen
2167	0.150773	-0.977575	-0.918789	248.046875	-3.906250	11.718750	2.0	listen
2168	0.140464	-0.699045	-0.588773	248.046875	17.578125	54.687500	2.0	listen
2169	0.153028	-0.350677	-0.234514	248.046875	58.593750	35.156250	2.0	listen
2170	0.066817	0.008344	0.021792	187.500000	83.984375	1.953125	2.0	listen
2171	-0.078660	0.467506	0.194325	83.984375	48.828125	-3.906250	2.0	listen
2172	-0.115946	0.468004	0.447845	-29.296875	13.671875	-9.765625	2.0	listen
2173	-0.225818	0.524552	0.587457	-9.765625	5.859375	-1.953125	2.0	listen
2174	-0.285491	0.539731	0.658724	0.000000	5.859375	-1.953125	2.0	listen
2175	-0.315044	0.555089	0.682735	0.000000	0.000000	3.906250	2.0	listen
2176	-0.320277	0.570553	0.709641	-3.906250	-1.953125	5.859375	2.0	listen
2177	-0.317166	0.567332	0.719534	1.953125	-1.953125	3.906250	2.0	listen
2178	-0.315300	0.571649	0.725471	0.000000	-3.906250	0.000000	2.0	listen
2179	-0.276680	0.617990	0.729032	-9.765625	-5.859375	11.718750	2.0	listen
2180	-0.259758	0.645794	0.724919	-56.640625	23.437500	62.500000	2.0	listen
2181	-0.268355	0.681226	0.697452	-101.562500	7.812500	-23.437500	2.0	listen
2182	-0.248513	0.602486	0.618471	-181.640625	-19.531250	-58.593750	2.0	listen
2183	-0.192858	0.392741	0.446083	-250.000000	-42.968750	-54.687500	2.0	listen
2184	-0.109465	-0.083105	0.205150	-250.000000	-1.953125	-42.968750	2.0	listen
2185	-0.078179	-0.468613	-0.045660	-250.000000	-23.437500	-48.828125	2.0	listen
2186	-0.053157	-0.724918	-0.346146	-250.000000	-3.906250	-39.062500	2.0	listen
2187	0.005606	-0.909951	-0.607688	-177.734375	9.765625	11.718750	2.0	listen
2188	0.059613	-0.820970	-0.727113	-138.671875	7.812500	-35.156250	2.0	listen
2189	0.098268	-0.805082	-0.848768	-89.843750	62.500000	-44.921875	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2190	0.327711	-0.776799	-0.971761	0.000000	74.218750	-3.906250	0.0	listen
2191	0.352876	-0.616080	-0.945556	21.484375	-19.531250	-33.203125	0.0	listen
2192	0.349226	-0.463398	-0.936084	1.953125	1.953125	-5.859375	0.0	listen
2193	0.303286	-0.384289	-0.942900	-11.718750	7.812500	21.484375	0.0	listen
2194	0.313221	-0.386823	-0.946990	3.906250	-7.812500	-25.390625	0.0	listen
2195	0.344183	-0.369594	-0.936944	0.000000	-1.953125	-3.906250	0.0	listen
2196	0.337760	-0.346756	-0.943416	-1.953125	-1.953125	0.000000	0.0	listen
2197	0.327656	-0.339304	-0.947300	-1.953125	-1.953125	3.906250	0.0	listen
2198	0.328021	-0.317679	-0.953122	0.000000	-1.953125	0.000000	1.0	listen
2199	0.321812	-0.315608	-0.953123	0.000000	-1.953125	0.000000	1.0	listen
2200	0.318087	-0.320615	-0.953124	-1.953125	0.000000	0.000000	1.0	listen
2201	0.322102	-0.323619	-0.953124	0.000000	-1.953125	-1.953125	1.0	listen
2202	0.324511	-0.325421	-0.953125	-1.953125	-1.953125	0.000000	1.0	listen
2203	0.332207	-0.332753	-0.946875	-1.953125	-1.953125	3.906250	1.0	listen
2204	0.361824	-0.324652	-0.949375	-33.203125	-21.484375	74.218750	1.0	listen
2205	0.417094	-0.494791	-1.000875	-21.484375	-48.828125	109.375000	1.0	listen
2206	0.362757	-0.721875	-1.100525	105.468750	39.062500	39.062500	2.0	listen
2207	0.242654	-0.908125	-1.191565	207.031250	35.156250	3.906250	2.0	listen
2208	0.151842	-1.007375	-1.264939	248.046875	37.109375	-39.062500	2.0	listen
2209	0.166105	-0.991925	-1.158963	248.046875	15.625000	21.484375	2.0	listen
2210	0.205913	-0.757655	-0.870378	248.046875	21.484375	62.500000	2.0	listen
2211	0.229798	-0.373343	-0.528477	248.046875	68.359375	66.406250	2.0	listen
2212	0.087879	0.057244	-0.192086	238.281250	111.328125	15.625000	2.0	listen
2213	-0.084773	0.678097	0.103498	62.500000	82.031250	11.718750	2.0	listen
2214	-0.200864	0.575608	0.355849	-29.296875	13.671875	-19.531250	2.0	listen
2215	-0.251768	0.564115	0.544759	-23.437500	1.953125	11.718750	2.0	listen
2216	-0.307311	0.557219	0.645606	-5.859375	3.906250	-1.953125	2.0	listen
2217	-0.328137	0.534331	0.699863	1.953125	0.000000	0.000000	2.0	listen
2218	-0.328132	0.533099	0.726168	-3.906250	-3.906250	5.859375	2.0	listen
2219	-0.315629	0.526109	0.748201	0.000000	-1.953125	3.906250	2.0	listen
2220	-0.320627	0.528166	0.748920	-1.953125	0.000000	5.859375	2.0	listen
2221	-0.311126	0.541899	0.761852	-5.859375	-5.859375	11.718750	2.0	listen
2222	-0.305426	0.581390	0.769611	-3.906250	-7.812500	11.718750	2.0	listen
2223	-0.264506	0.561334	0.786767	-29.296875	-1.953125	33.203125	2.0	listen
2224	-0.271203	0.618050	0.759560	-70.312500	13.671875	25.390625	2.0	listen
2225	-0.237722	0.564580	0.711986	-109.375000	-13.671875	-42.968750	2.0	listen
2226	-0.192633	0.426248	0.658442	-214.843750	-17.578125	-58.593750	2.0	listen
2227	-0.146830	0.161999	0.545065	-250.000000	-5.859375	-37.109375	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2228	-0.144348	-0.165301	0.258289	-250.000000	31.250000	33.203125	2.0	listen
2229	-0.217859	-0.424180	-0.101277	-250.000000	35.156250	-11.718750	2.0	listen
2230	-0.274465	-0.660758	-0.467016	-250.000000	29.296875	-66.406250	2.0	listen
2231	-0.083429	-0.721455	-0.767710	-248.046875	-33.203125	-144.531250	2.0	listen
2232	0.156193	-0.801623	-0.954376	-93.750000	142.578125	-121.093750	2.0	listen
2233	0.224966	-1.012224	-1.003875	-60.546875	117.187500	117.187500	2.0	listen
2234	0.303729	-0.701084	-0.977325	41.015625	-78.125000	-85.937500	2.0	listen
2235	0.332238	-0.495651	-0.961395	7.812500	-3.906250	17.578125	2.0	listen
2236	0.293093	-0.403640	-0.945587	-3.906250	11.718750	13.671875	2.0	listen
2237	0.313356	-0.385934	-0.948602	-7.812500	-7.812500	-5.859375	2.0	listen
2238	0.344263	-0.375311	-0.937911	5.859375	-1.953125	-7.812500	0.0	listen
2239	0.350308	-0.368936	-0.937747	-3.906250	-1.953125	5.859375	0.0	listen
2240	0.341435	-0.352612	-0.937648	-1.953125	-1.953125	1.953125	0.0	listen
2241	0.336111	-0.361567	-0.937589	0.000000	0.000000	0.000000	0.0	listen
2242	0.339167	-0.360690	-0.931303	0.000000	0.000000	-1.953125	0.0	listen
2243	0.341000	-0.360164	-0.927532	-1.953125	0.000000	-1.953125	0.0	listen
2244	0.342100	-0.359848	-0.931519	0.000000	-1.953125	-1.953125	0.0	listen
2245	0.342760	-0.359659	-0.933912	0.000000	0.000000	-3.906250	0.0	listen
2246	0.337496	-0.355924	-0.937020	0.000000	-1.953125	0.000000	1.0	listen
2247	0.333748	-0.351054	-0.937212	0.000000	-1.953125	0.000000	1.0	listen
2248	0.331499	-0.354383	-0.937327	0.000000	-1.953125	0.000000	1.0	listen
2249	0.330149	-0.356380	-0.937396	-1.953125	-1.953125	0.000000	1.0	listen
2250	0.329340	-0.357578	-0.937438	-1.953125	-1.953125	0.000000	1.0	listen
2251	0.328854	-0.358297	-0.931213	-1.953125	-1.953125	1.953125	1.0	listen
2252	0.353562	-0.389978	-0.927478	-42.968750	-37.109375	50.781250	1.0	listen
2253	0.387137	-0.627737	-0.993987	-33.203125	-58.593750	117.187500	1.0	listen
2254	0.319782	-0.851642	-1.133892	134.765625	27.343750	0.000000	2.0	listen
2255	0.198119	-1.010985	-1.324085	248.046875	23.437500	-17.578125	2.0	listen
2256	0.150122	-1.006591	-1.363201	248.046875	35.156250	-27.343750	2.0	listen
2257	0.165073	-0.847705	-1.280421	248.046875	52.734375	13.671875	2.0	listen
2258	0.180294	-0.489873	-0.949502	248.046875	78.125000	68.359375	2.0	listen
2259	0.176926	-0.087674	-0.457201	248.046875	50.781250	87.890625	2.0	listen
2260	0.093656	0.428646	-0.024321	148.437500	103.515625	17.578125	2.0	listen
2261	-0.081307	0.500937	0.304157	-31.250000	3.906250	-3.906250	2.0	listen
2262	-0.123784	0.494312	0.582494	-5.859375	9.765625	-1.953125	2.0	listen
2263	-0.186770	0.490337	0.699497	5.859375	5.859375	-3.906250	2.0	listen
2264	-0.199562	0.475452	0.763448	5.859375	-7.812500	1.953125	2.0	listen
2265	-0.194737	0.485271	0.789319	5.859375	-5.859375	1.953125	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2266	-0.198092	0.503663	0.804841	0.000000	-3.906250	3.906250	2.0	listen
2267	-0.181355	0.514698	0.814155	1.953125	-1.953125	5.859375	2.0	listen
2268	-0.177563	0.515069	0.825993	0.000000	-3.906250	-1.953125	2.0	listen
2269	-0.150288	0.521541	0.839346	-7.812500	-13.671875	11.718750	2.0	listen
2270	-0.083923	0.506675	0.834857	-9.765625	-1.953125	35.156250	2.0	listen
2271	-0.050354	0.616505	0.775914	-62.500000	39.062500	70.312500	2.0	listen
2272	-0.123962	0.651153	0.696799	-144.531250	62.500000	0.000000	2.0	listen
2273	-0.118127	0.440692	0.624329	-250.000000	7.812500	-46.875000	2.0	listen
2274	-0.070876	0.058165	0.318348	-250.000000	60.546875	15.625000	2.0	listen
2275	-0.117526	-0.252601	-0.040241	-250.000000	83.984375	-82.031250	2.0	listen
2276	-0.201766	-0.401561	-0.499145	-250.000000	97.656250	-42.968750	2.0	listen
2277	-0.171059	-0.672186	-0.830737	-250.000000	23.437500	-144.531250	2.0	listen
2278	0.022364	-0.809562	-1.029692	-160.156250	54.687500	-150.390625	2.0	listen
2279	0.338419	-0.966987	-1.174065	33.203125	167.968750	72.265625	2.0	listen
2280	0.428051	-0.848942	-0.979439	25.390625	-29.296875	-48.828125	2.0	listen
2281	0.431831	-0.590615	-0.975164	-11.718750	-25.390625	-1.953125	2.0	listen
2282	0.334098	-0.448119	-0.953848	-1.953125	27.343750	27.343750	2.0	listen
2283	0.300459	-0.393872	-0.959809	-13.671875	-11.718750	19.531250	2.0	listen
2284	0.367775	-0.386323	-0.957135	23.437500	-3.906250	-44.921875	2.0	listen
2285	0.395665	-0.350544	-0.936781	-1.953125	-7.812500	-5.859375	0.0	listen
2286	0.387399	-0.329076	-0.930819	-13.671875	-5.859375	17.578125	0.0	listen
2287	0.351189	-0.341196	-0.945991	-7.812500	21.484375	41.015625	0.0	listen
2288	0.329464	-0.323467	-0.948845	3.906250	3.906250	-13.671875	0.0	listen
2289	0.316428	-0.306580	-0.950557	-1.953125	-5.859375	-3.906250	0.0	listen
2290	0.321107	-0.302698	-0.951584	-5.859375	-11.718750	-7.812500	0.0	listen
2291	0.342664	-0.312869	-0.952200	5.859375	0.000000	-15.625000	0.0	listen
2292	0.349348	-0.318971	-0.952570	0.000000	-3.906250	-5.859375	0.0	listen
2293	0.342226	-0.301989	-0.951703	-1.953125	0.000000	0.000000	1.0	listen
2294	0.336585	-0.293693	-0.952272	-1.953125	-1.953125	-1.953125	1.0	listen
2295	0.339451	-0.294966	-0.952613	-1.953125	-1.953125	-1.953125	1.0	listen
2296	0.341171	-0.295730	-0.952818	-1.953125	-1.953125	0.000000	1.0	listen
2297	0.342202	-0.296188	-0.959191	-1.953125	-1.953125	0.000000	1.0	listen
2298	0.336571	-0.290213	-0.956764	-1.953125	-1.953125	3.906250	1.0	listen
2299	0.333193	-0.292878	-0.955309	-7.812500	-1.953125	11.718750	1.0	listen
2300	0.343666	-0.413227	-0.973185	-31.250000	-35.156250	27.343750	1.0	listen
2301	0.362449	-0.704186	-1.158911	21.484375	-105.468750	9.765625	2.0	listen
2302	0.392470	-0.853762	-1.257847	148.437500	-56.640625	-80.078125	2.0	listen
2303	0.241732	-1.037257	-1.504708	248.046875	175.781250	-85.937500	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2304	0.163789	-0.941104	-1.702825	248.046875	150.390625	9.765625	2.0	listen
2305	0.223273	-0.614662	-1.534195	248.046875	91.796875	62.500000	2.0	listen
2306	0.202714	-0.087547	-1.039267	248.046875	89.843750	62.500000	2.0	listen
2307	0.121628	0.447472	-0.486060	224.609375	105.468750	-33.203125	2.0	listen
2308	-0.158273	0.655983	-0.016636	-31.250000	-3.906250	-39.062500	2.0	listen
2309	-0.176214	0.624840	0.333768	-31.250000	-5.859375	15.625000	2.0	listen
2310	-0.199478	0.574904	0.556511	-7.812500	5.859375	0.000000	2.0	listen
2311	-0.232187	0.563692	0.652657	1.953125	-1.953125	-1.953125	2.0	listen
2312	-0.239312	0.575715	0.704094	1.953125	-3.906250	-1.953125	2.0	listen
2313	-0.237337	0.582929	0.728706	0.000000	-3.906250	1.953125	2.0	listen
2314	-0.211152	0.574758	0.749724	-1.953125	-1.953125	3.906250	2.0	listen
2315	-0.207941	0.582355	0.756084	0.000000	-1.953125	3.906250	2.0	listen
2316	-0.199765	0.574413	0.766151	-1.953125	0.000000	11.718750	2.0	listen
2317	-0.207359	0.582148	0.778440	-5.859375	1.953125	7.812500	2.0	listen
2318	-0.186915	0.586789	0.804564	1.953125	-15.625000	1.953125	2.0	listen
2319	-0.080899	0.614573	0.745239	-11.718750	7.812500	-3.906250	2.0	listen
2320	-0.179790	0.693744	0.665893	-117.187500	74.218750	-3.906250	2.0	listen
2321	-0.320374	0.616246	0.655786	-210.937500	-3.906250	21.484375	2.0	listen
2322	-0.260974	0.482248	0.487222	-250.000000	-80.078125	11.718750	2.0	listen
2323	-0.125335	0.070599	0.079833	-250.000000	33.203125	60.546875	2.0	listen
2324	-0.112701	-0.238891	-0.433350	-250.000000	41.015625	-13.671875	2.0	listen
2325	-0.123870	-0.537084	-0.872510	-250.000000	60.546875	-41.015625	2.0	listen
2326	-0.080572	-0.628501	-1.104756	-175.781250	128.906250	-39.062500	2.0	listen
2327	-0.067093	-0.858350	-1.300354	-107.421875	189.453125	54.687500	2.0	listen
2328	0.022244	-1.065010	-1.042712	27.343750	-54.687500	-111.328125	2.0	listen
2329	0.132096	-0.682756	-1.056877	19.531250	-23.437500	-101.562500	2.0	listen
2330	0.123008	-0.472154	-1.027876	54.687500	58.593750	52.734375	2.0	listen
2331	0.155055	-0.377042	-0.997976	-15.625000	-44.921875	23.437500	2.0	listen
2332	0.293033	-0.413725	-0.973786	27.343750	-33.203125	-107.421875	2.0	listen
2333	0.357070	-0.385735	-0.940521	9.765625	-3.906250	-23.437500	0.0	listen
2334	0.357992	-0.368941	-0.933063	-9.765625	0.000000	9.765625	0.0	listen
2335	0.333545	-0.346365	-0.941088	-11.718750	0.000000	-5.859375	0.0	listen
2336	0.325127	-0.339069	-0.945903	-9.765625	3.906250	1.953125	0.0	listen
2337	0.332576	-0.359691	-0.942542	0.000000	3.906250	1.953125	0.0	listen
2338	0.349546	-0.347065	-0.940525	-3.906250	-1.953125	1.953125	0.0	listen
2339	0.347227	-0.333239	-0.939315	-3.906250	0.000000	5.859375	0.0	listen
2340	0.339586	-0.337443	-0.944839	-1.953125	1.953125	3.906250	0.0	listen
2341	0.342251	-0.335230	-0.940142	-1.953125	-3.906250	0.000000	0.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2342	0.336601	-0.332388	-0.939085	-1.953125	-1.953125	-1.953125	1.0	listen
2343	0.339460	-0.330683	-0.938451	0.000000	-1.953125	-1.953125	1.0	listen
2344	0.341176	-0.329660	-0.938071	0.000000	-1.953125	0.000000	1.0	listen
2345	0.342206	-0.329046	-0.937842	-1.953125	-1.953125	1.953125	1.0	listen
2346	0.342823	-0.328677	-0.937705	-3.906250	-3.906250	3.906250	1.0	listen
2347	0.336944	-0.340956	-0.925123	-21.484375	-33.203125	13.671875	1.0	listen
2348	0.414666	-0.410824	-1.017574	-70.312500	-93.750000	80.078125	1.0	listen
2349	0.405050	-0.602744	-1.148044	23.437500	-25.390625	31.250000	2.0	listen
2350	0.311780	-0.786647	-1.238827	128.906250	58.593750	9.765625	2.0	listen
2351	0.143318	-0.903238	-1.343296	248.046875	142.578125	-15.625000	2.0	listen
2352	0.110991	-0.885693	-1.474728	248.046875	50.781250	13.671875	2.0	listen
2353	0.129094	-0.681416	-1.428587	248.046875	5.859375	56.640625	2.0	listen
2354	0.214957	-0.421349	-1.088402	248.046875	-7.812500	66.406250	2.0	listen
2355	0.247724	-0.027810	-0.590541	248.046875	74.218750	13.671875	2.0	listen
2356	-0.038866	0.777064	-0.191825	152.343750	105.468750	-56.640625	2.0	listen
2357	-0.110819	0.578739	0.166155	-29.296875	-5.859375	-27.343750	2.0	listen
2358	-0.116492	0.572243	0.462193	-9.765625	19.531250	0.000000	2.0	listen
2359	-0.188645	0.587096	0.602316	1.953125	7.812500	-1.953125	2.0	listen
2360	-0.206937	0.602258	0.680140	-1.953125	-3.906250	1.953125	2.0	listen
2361	-0.205412	0.605105	0.714334	0.000000	-1.953125	7.812500	2.0	listen
2362	-0.198247	0.606813	0.728600	-1.953125	-1.953125	9.765625	2.0	listen
2363	-0.187698	0.607838	0.730910	0.000000	-1.953125	7.812500	2.0	listen
2364	-0.181369	0.614703	0.738546	-9.765625	1.953125	13.671875	2.0	listen
2365	-0.121321	0.700072	0.730628	-41.015625	7.812500	68.359375	2.0	listen
2366	-0.079043	0.820043	0.644627	-119.140625	80.078125	144.531250	2.0	listen
2367	-0.166176	0.735776	0.593026	-208.984375	97.656250	23.437500	2.0	listen
2368	-0.205955	0.522715	0.318316	-250.000000	80.078125	5.859375	2.0	listen
2369	-0.279823	0.069879	-0.252761	-250.000000	80.078125	-1.953125	2.0	listen
2370	-0.217894	-0.408072	-0.745406	-250.000000	17.578125	-142.578125	2.0	listen
2371	-0.224486	-0.632343	-0.878494	-250.000000	35.156250	-76.171875	2.0	listen
2372	-0.184692	-0.760656	-0.995846	-93.750000	140.625000	-19.531250	2.0	listen
2373	-0.073315	-0.718894	-1.110008	-82.031250	150.390625	-15.625000	2.0	listen
2374	0.212261	-1.231336	-0.997255	-62.500000	80.078125	244.140625	2.0	listen
2375	0.264857	-0.845052	-1.017103	37.109375	-89.843750	-189.453125	2.0	listen
2376	0.265164	-0.594531	-0.979012	15.625000	9.765625	15.625000	2.0	listen
2377	0.284098	-0.456719	-0.974907	15.625000	-3.906250	1.953125	2.0	listen
2378	0.351709	-0.367781	-0.947444	19.531250	-5.859375	-42.968750	2.0	listen
2379	0.373525	-0.376919	-0.943467	-11.718750	9.765625	21.484375	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2380	0.367865	-0.363651	-0.947330	-3.906250	0.000000	0.000000	0.0	listen
2381	0.364469	-0.361941	-0.943398	0.000000	0.000000	-7.812500	0.0	listen
2382	0.368681	-0.348414	-0.928539	0.000000	0.000000	-7.812500	0.0	listen
2383	0.371209	-0.334049	-0.932123	0.000000	1.953125	1.953125	0.0	listen
2384	0.372725	-0.337929	-0.928024	-1.953125	3.906250	1.953125	0.0	listen
2385	0.373635	-0.346508	-0.925564	0.000000	1.953125	0.000000	0.0	listen
2386	0.374181	-0.351655	-0.924089	1.953125	0.000000	-3.906250	0.0	listen
2387	0.380759	-0.348493	-0.916953	0.000000	-1.953125	-1.953125	0.0	listen
2388	0.389346	-0.351715	-0.912737	0.000000	-1.953125	-3.906250	1.0	listen
2389	0.389858	-0.354779	-0.916392	-1.953125	-1.953125	0.000000	1.0	listen
2390	0.390165	-0.356617	-0.912335	-1.953125	-1.953125	-1.953125	1.0	listen
2391	0.384099	-0.351470	-0.916151	-3.906250	-1.953125	0.000000	1.0	listen
2392	0.386709	-0.348382	-0.918441	-1.953125	-3.906250	0.000000	1.0	listen
2393	0.382026	-0.346529	-0.913564	-3.906250	-3.906250	0.000000	1.0	listen
2394	0.410465	-0.351668	-0.898139	-17.578125	-11.718750	29.296875	1.0	listen
2395	0.458779	-0.498501	-0.951383	-35.156250	-64.453125	113.281250	1.0	listen
2396	0.481518	-0.686600	-1.064580	66.406250	-21.484375	74.218750	2.0	listen
2397	0.395161	-0.818210	-1.138748	103.515625	42.968750	-23.437500	2.0	listen
2398	0.268346	-0.947176	-1.208249	142.578125	93.750000	-83.984375	2.0	listen
2399	0.242258	-0.949556	-1.324949	248.046875	82.031250	-35.156250	2.0	listen
2400	0.226605	-0.763483	-1.401220	248.046875	103.515625	27.343750	2.0	listen
2401	0.229713	-0.489340	-1.121982	248.046875	50.781250	89.843750	2.0	listen
2402	0.250328	-0.049854	-0.679439	248.046875	78.125000	13.671875	2.0	listen
2403	0.200197	0.601338	-0.263913	246.093750	136.718750	-15.625000	2.0	listen
2404	0.013868	0.735803	0.141652	-41.015625	25.390625	-7.812500	2.0	listen
2405	-0.010429	0.697732	0.397491	-1.953125	15.625000	15.625000	2.0	listen
2406	-0.043758	0.674889	0.519745	5.859375	1.953125	-15.625000	2.0	listen
2407	-0.082505	0.673683	0.580597	-1.953125	-7.812500	-9.765625	2.0	listen
2408	-0.099503	0.685460	0.629608	1.953125	0.000000	-3.906250	2.0	listen
2409	-0.115952	0.692526	0.665265	3.906250	-3.906250	-3.906250	2.0	listen
2410	-0.125821	0.684266	0.674159	3.906250	-7.812500	-5.859375	2.0	listen
2411	-0.131743	0.698059	0.679495	1.953125	-7.812500	-3.906250	2.0	listen
2412	-0.085296	0.731336	0.688947	-1.953125	-19.531250	5.859375	2.0	listen
2413	0.023823	0.851301	0.619618	-56.640625	17.578125	-15.625000	2.0	listen
2414	-0.091956	0.792031	0.565521	-171.875000	87.890625	-25.390625	2.0	listen
2415	-0.261424	0.650218	0.489313	-250.000000	44.921875	-50.781250	2.0	listen
2416	-0.306854	0.333881	0.237338	-250.000000	-23.437500	-9.765625	2.0	listen
2417	-0.296613	-0.105921	-0.088847	-250.000000	-11.718750	-35.156250	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2418	-0.190468	-0.513553	-0.372058	-250.000000	9.765625	-111.328125	2.0	listen
2419	-0.108031	-0.751882	-0.610735	-207.031250	17.578125	-64.453125	2.0	listen
2420	-0.014818	-0.801129	-0.785191	-134.765625	37.109375	-5.859375	2.0	listen
2421	-0.027641	-0.768177	-0.883615	-101.562500	33.203125	17.578125	2.0	listen
2422	0.008415	-0.673406	-0.948919	-70.312500	44.921875	11.718750	2.0	listen
2423	0.067549	-0.647794	-1.025601	-39.062500	66.406250	-37.109375	0.0	listen
2424	0.353030	-0.638676	-0.877861	83.984375	42.968750	-74.218750	0.0	listen
2425	0.405568	-0.495706	-0.889216	-11.718750	-78.125000	-66.406250	0.0	listen
2426	0.355841	-0.391173	-0.896030	-9.765625	9.765625	3.906250	0.0	listen
2427	0.313504	-0.359704	-0.918868	-13.671875	3.906250	1.953125	0.0	listen
2428	0.375603	-0.384572	-0.926321	15.625000	1.953125	-35.156250	0.0	listen
2429	0.425362	-0.330743	-0.905792	3.906250	-3.906250	-13.671875	0.0	listen
2430	0.411467	-0.317196	-0.918475	-9.765625	-3.906250	13.671875	0.0	listen
2431	0.406572	-0.318307	-0.922075	0.000000	-1.953125	-1.953125	1.0	listen
2432	0.406443	-0.322234	-0.921995	0.000000	-1.953125	-3.906250	1.0	listen
2433	0.406366	-0.318341	-0.921947	0.000000	-1.953125	-1.953125	1.0	listen
2434	0.406319	-0.316004	-0.921918	0.000000	-1.953125	0.000000	1.0	listen
2435	0.406292	-0.314603	-0.921901	0.000000	-1.953125	0.000000	1.0	listen
2436	0.406275	-0.320012	-0.921891	-1.953125	0.000000	0.000000	1.0	listen
2437	0.437515	-0.323257	-0.915634	-5.859375	-11.718750	13.671875	1.0	listen
2438	0.575009	-0.518954	-0.930631	-21.484375	-33.203125	136.718750	1.0	listen
2439	0.613755	-0.780122	-0.970878	91.796875	19.531250	62.500000	2.0	listen
2440	0.537003	-1.036823	-1.070027	130.859375	37.109375	-9.765625	2.0	listen
2441	0.359702	-1.115844	-1.317016	248.046875	87.890625	-27.343750	2.0	listen
2442	0.309571	-0.988256	-1.421460	248.046875	37.109375	76.171875	2.0	listen
2443	0.310743	-0.655454	-1.221626	248.046875	58.593750	87.890625	2.0	listen
2444	0.286446	-0.218272	-0.801726	248.046875	87.890625	58.593750	2.0	listen
2445	0.121867	0.375287	-0.374785	238.281250	93.750000	-1.953125	2.0	listen
2446	-0.045630	0.656422	0.062629	-19.531250	17.578125	-9.765625	2.0	listen
2447	-0.108628	0.618853	0.350077	-7.812500	15.625000	0.000000	2.0	listen
2448	-0.152677	0.627562	0.516296	-3.906250	9.765625	-5.859375	2.0	listen
2449	-0.191606	0.651537	0.603528	1.953125	1.953125	0.000000	2.0	listen
2450	-0.202464	0.665922	0.649617	0.000000	0.000000	3.906250	2.0	listen
2451	-0.202728	0.655803	0.671020	1.953125	0.000000	5.859375	2.0	listen
2452	-0.196637	0.662232	0.677612	0.000000	-3.906250	5.859375	2.0	listen
2453	-0.186732	0.653589	0.694067	-1.953125	-1.953125	1.953125	2.0	listen
2454	-0.187039	0.654654	0.697690	3.906250	0.000000	-1.953125	2.0	listen
2455	-0.187224	0.686542	0.693614	3.906250	0.000000	5.859375	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2456	-0.174834	0.686925	0.697419	11.718750	-3.906250	-11.718750	2.0	listen
2457	-0.086150	0.780905	0.649701	11.718750	7.812500	-25.390625	2.0	listen
2458	-0.170440	0.906043	0.533571	-64.453125	128.906250	41.015625	2.0	listen
2459	-0.364764	0.856126	0.457642	-236.328125	76.171875	25.390625	2.0	listen
2460	-0.325109	0.626176	0.393335	-250.000000	-50.781250	-101.562500	2.0	listen
2461	-0.226315	0.175705	0.186001	-250.000000	-3.906250	-5.859375	2.0	listen
2462	-0.185789	-0.200827	-0.038399	-250.000000	15.625000	-74.218750	2.0	listen
2463	-0.180223	-0.489246	-0.291790	-250.000000	44.921875	-68.359375	2.0	listen
2464	-0.145634	-0.649798	-0.525074	-195.312500	44.921875	-39.062500	2.0	listen
2465	-0.087380	-0.758629	-0.746294	-162.109375	41.015625	-23.437500	2.0	listen
2466	-0.064928	-0.761427	-0.897777	-103.515625	44.921875	-11.718750	2.0	listen
2467	-0.007707	-0.800606	-1.007416	-50.781250	78.125000	-87.890625	2.0	listen
2468	0.389126	-0.799114	-1.041950	41.015625	46.875000	-80.078125	2.0	listen
2469	0.420975	-0.648218	-0.950170	-11.718750	-33.203125	-17.578125	2.0	listen
2470	0.371335	-0.482681	-0.951352	0.000000	-1.953125	-37.109375	2.0	listen
2471	0.322801	-0.420859	-0.945811	-7.812500	7.812500	23.437500	2.0	listen
2472	0.337431	-0.371265	-0.954987	11.718750	1.953125	-29.296875	2.0	listen
2473	0.396208	-0.341509	-0.935492	9.765625	1.953125	-11.718750	0.0	listen
2474	0.400225	-0.329905	-0.930045	-5.859375	-5.859375	0.000000	0.0	listen
2475	0.377635	-0.322943	-0.933027	-5.859375	0.000000	9.765625	0.0	listen
2476	0.370331	-0.331266	-0.934816	-1.953125	0.000000	3.906250	0.0	listen
2477	0.378449	-0.330010	-0.929640	1.953125	-1.953125	-1.953125	0.0	listen
2478	0.383319	-0.329256	-0.926534	-1.953125	-3.906250	0.000000	0.0	listen
2479	0.379992	-0.322553	-0.930920	-1.953125	-1.953125	1.953125	0.0	listen
2480	0.377995	-0.324782	-0.933552	0.000000	-1.953125	-1.953125	0.0	listen
2481	0.369397	-0.325153	-0.932897	-1.953125	-1.953125	0.000000	1.0	listen
2482	0.371638	-0.326342	-0.934738	-1.953125	-1.953125	1.953125	1.0	listen
2483	0.372983	-0.327055	-0.935843	-1.953125	0.000000	0.000000	1.0	listen
2484	0.373790	-0.333733	-0.936506	-1.953125	-1.953125	0.000000	1.0	listen
2485	0.374274	-0.325240	-0.936903	-1.953125	-1.953125	-1.953125	1.0	listen
2486	0.387064	-0.307644	-0.930892	-7.812500	-3.906250	15.625000	1.0	listen
2487	0.413489	-0.334586	-0.921035	-31.250000	-9.765625	58.593750	1.0	listen
2488	0.485593	-0.563252	-1.002621	-44.921875	-93.750000	82.031250	1.0	listen
2489	0.478856	-0.781701	-1.139073	46.875000	-37.109375	-50.781250	2.0	listen
2490	0.356064	-0.912771	-1.302194	146.484375	107.421875	-95.703125	2.0	listen
2491	0.213638	-0.903912	-1.537566	248.046875	175.781250	-111.328125	2.0	listen
2492	0.284433	-0.711097	-1.678790	248.046875	152.343750	99.609375	2.0	listen
2493	0.264410	-0.345408	-1.351024	248.046875	144.531250	80.078125	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2494	0.146146	0.030255	-0.791864	248.046875	87.890625	17.578125	2.0	listen
2495	0.006438	0.611903	-0.300119	224.609375	76.171875	-21.484375	2.0	listen
2496	-0.089887	0.735892	0.094929	-39.062500	15.625000	-3.906250	2.0	listen
2497	-0.110182	0.704035	0.394457	-15.625000	9.765625	-3.906250	2.0	listen
2498	-0.116109	0.672421	0.561674	3.906250	9.765625	-5.859375	2.0	listen
2499	-0.138416	0.678453	0.630755	-3.906250	0.000000	9.765625	2.0	listen
2500	-0.120549	0.663322	0.665953	-1.953125	0.000000	13.671875	2.0	listen
2501	-0.116080	0.666743	0.687072	0.000000	0.000000	1.953125	2.0	listen
2502	-0.119648	0.662546	0.693493	0.000000	1.953125	0.000000	2.0	listen
2503	-0.128039	0.672527	0.697346	-3.906250	3.906250	1.953125	2.0	listen
2504	-0.126823	0.672266	0.712157	0.000000	1.953125	0.000000	2.0	listen
2505	-0.132344	0.678360	0.714794	0.000000	0.000000	0.000000	2.0	listen
2506	-0.129406	0.700766	0.716377	-3.906250	0.000000	7.812500	2.0	listen
2507	-0.027644	0.757960	0.686076	-56.640625	17.578125	42.968750	2.0	listen
2508	-0.041586	0.754776	0.692896	-93.750000	44.921875	-54.687500	2.0	listen
2509	-0.174952	0.571615	0.734487	-164.062500	56.640625	-23.437500	2.0	listen
2510	-0.286221	0.299219	0.759442	-93.750000	7.812500	-76.171875	2.0	listen
2511	-0.284233	0.129532	0.705665	-150.390625	-3.906250	-27.343750	2.0	listen
2512	-0.276790	0.021469	0.460899	-250.000000	-9.765625	37.109375	2.0	listen
2513	-0.266074	-0.130869	0.101540	-250.000000	11.718750	-41.015625	2.0	listen
2514	-0.240894	-0.272271	-0.339076	-250.000000	42.968750	-41.015625	2.0	listen
2515	-0.200787	-0.575863	-0.747196	-250.000000	72.265625	-156.250000	2.0	listen
2516	-0.089222	-0.758018	-1.048317	-199.218750	-25.390625	-138.671875	2.0	listen
2517	0.040217	-0.729811	-1.128990	7.812500	101.562500	-70.312500	2.0	listen
2518	0.311630	-0.750386	-1.021144	113.281250	85.937500	-89.843750	2.0	listen
2519	0.374478	-0.562732	-0.956437	-1.953125	-46.875000	-50.781250	2.0	listen
2520	0.349687	-0.443889	-0.961362	-7.812500	21.484375	0.000000	2.0	listen
2521	0.303562	-0.385083	-0.958067	-23.437500	1.953125	19.531250	2.0	listen
2522	0.332137	-0.387300	-0.956090	-7.812500	-9.765625	-9.765625	2.0	listen
2523	0.361782	-0.376130	-0.936154	3.906250	3.906250	-1.953125	0.0	listen
2524	0.373319	-0.350678	-0.936693	0.000000	-5.859375	1.953125	0.0	listen
2525	0.348992	-0.329157	-0.943266	-3.906250	1.953125	9.765625	0.0	listen
2526	0.346895	-0.328744	-0.940959	-1.953125	-1.953125	-3.906250	0.0	listen
2527	0.351887	-0.322246	-0.939576	0.000000	-1.953125	-1.953125	0.0	listen
2528	0.354882	-0.318348	-0.938745	-3.906250	-1.953125	3.906250	0.0	listen
2529	0.350429	-0.316009	-0.938247	-1.953125	-1.953125	0.000000	0.0	listen
2530	0.347758	-0.320855	-0.944198	0.000000	0.000000	-1.953125	0.0	listen
2531	0.350429	-0.316009	-0.938247	-1.953125	-1.953125	0.000000	0.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2532	0.347758	-0.320855	-0.944198	0.000000	0.000000	-1.953125	0.0	listen
2533	0.352405	-0.311263	-0.941519	0.000000	-1.953125	-1.953125	0.0	listen
2534	0.355193	-0.311758	-0.939911	-3.906250	0.000000	3.906250	0.0	listen
2535	0.350616	-0.312055	-0.938947	-1.953125	0.000000	5.859375	1.0	listen
2536	0.354119	-0.280983	-0.944618	-19.531250	-3.906250	46.875000	1.0	listen
2537	0.368722	-0.324840	-0.941771	-54.687500	-19.531250	142.578125	1.0	listen
2538	0.396233	-0.538654	-1.002563	-35.156250	-39.062500	85.937500	1.0	listen
2539	0.337740	-0.704442	-1.095288	54.687500	44.921875	3.906250	2.0	listen
2540	0.215144	-0.860165	-1.200923	134.765625	60.546875	-82.031250	2.0	listen
2541	0.185336	-0.922349	-1.351804	236.328125	7.812500	-83.984375	2.0	listen
2542	0.223702	-0.878410	-1.473582	248.046875	0.000000	-3.906250	2.0	listen
2543	0.252971	-0.695796	-1.465399	248.046875	44.921875	44.921875	2.0	listen
2544	0.295533	-0.398727	-1.079240	248.046875	62.500000	35.156250	2.0	listen
2545	0.164820	-0.032986	-0.553794	248.046875	111.328125	-33.203125	2.0	listen
2546	-0.026108	0.605208	-0.213526	232.421875	103.515625	-17.578125	2.0	listen
2547	-0.121915	0.769375	0.140634	-66.406250	-17.578125	13.671875	2.0	listen
2548	-0.141899	0.680375	0.421881	-7.812500	19.531250	15.625000	2.0	listen
2549	-0.147639	0.683225	0.571878	-1.953125	5.859375	3.906250	2.0	listen
2550	-0.157334	0.672435	0.643127	3.906250	-1.953125	3.906250	2.0	listen
2551	-0.144400	0.647211	0.673376	1.953125	-1.953125	3.906250	2.0	listen
2552	-0.130390	0.657077	0.691526	5.859375	-3.906250	0.000000	2.0	listen
2553	-0.128234	0.662996	0.696165	5.859375	-5.859375	-3.906250	2.0	listen
2554	-0.126940	0.672798	0.692699	3.906250	-3.906250	-3.906250	2.0	listen
2555	-0.113664	0.666179	0.678120	-1.953125	-3.906250	-1.953125	2.0	listen
2556	-0.099449	0.668457	0.675622	-7.812500	5.859375	-9.765625	2.0	listen
2557	-0.084669	0.719824	0.692873	-11.718750	1.953125	-7.812500	2.0	listen
2558	-0.063301	0.769395	0.690724	-125.000000	89.843750	76.171875	2.0	listen
2559	-0.287981	0.742887	0.664434	-136.718750	91.796875	9.765625	2.0	listen
2560	-0.429039	0.664482	0.561161	-193.359375	17.578125	-9.765625	2.0	listen
2561	-0.301173	0.348689	0.374196	-250.000000	-37.109375	-23.437500	2.0	listen
2562	-0.086954	-0.234536	0.099518	-250.000000	13.671875	-82.031250	2.0	listen
2563	-0.058422	-0.565722	-0.215289	-250.000000	56.640625	-56.640625	2.0	listen
2564	-0.141303	-0.689433	-0.429174	-207.031250	54.687500	3.906250	2.0	listen
2565	-0.178532	-0.807410	-0.632504	-183.593750	44.921875	-52.734375	2.0	listen
2566	-0.069619	-0.940696	-0.842002	-150.390625	-44.921875	-101.562500	2.0	listen
2567	0.108228	-0.883168	-0.917701	-52.734375	0.000000	-76.171875	2.0	listen
2568	0.171187	-0.736151	-0.969371	-1.953125	76.171875	-17.578125	0.0	listen
2569	0.208962	-0.635440	-0.981623	-11.718750	7.812500	-5.859375	0.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2570	0.300377	-0.518764	-0.951474	27.343750	27.343750	-44.921875	0.0	listen
2571	0.342726	-0.442509	-0.939634	-5.859375	1.953125	-3.906250	0.0	listen
2572	0.330636	-0.384255	-0.945030	-13.671875	5.859375	11.718750	0.0	listen
2573	0.323382	-0.361803	-0.948268	-11.718750	3.906250	0.000000	0.0	listen
2574	0.331529	-0.360832	-0.950211	-1.953125	0.000000	1.953125	0.0	listen
2575	0.342667	-0.347749	-0.945127	1.953125	-1.953125	-9.765625	0.0	listen
2576	0.351535	-0.301553	-0.952752	-1.953125	0.000000	3.906250	1.0	listen
2577	0.354671	-0.299682	-0.946651	0.000000	0.000000	0.000000	1.0	listen
2578	0.350303	-0.298559	-0.942991	-1.953125	0.000000	0.000000	1.0	listen
2579	0.347682	-0.304135	-0.947044	-1.953125	-1.953125	1.953125	1.0	listen
2580	0.346109	-0.307481	-0.949477	-1.953125	-1.953125	0.000000	1.0	listen
2581	0.345165	-0.303239	-0.950936	0.000000	-1.953125	0.000000	1.0	listen
2582	0.369599	-0.306943	-0.958062	-5.859375	-5.859375	9.765625	1.0	listen
2583	0.484260	-0.427916	-1.006087	-46.875000	-80.078125	113.281250	1.0	listen
2584	0.546806	-0.706750	-1.109902	37.109375	-41.015625	80.078125	2.0	listen
2585	0.315583	-0.867800	-1.203441	31.250000	50.781250	-250.000000	2.0	listen
2586	0.245600	-0.908180	-1.347065	136.718750	160.156250	-130.859375	2.0	listen
2587	0.241110	-0.682408	-1.514489	248.046875	205.078125	62.500000	2.0	listen
2588	0.275916	-0.471945	-1.421193	248.046875	128.906250	132.812500	2.0	listen
2589	0.315550	-0.308167	-1.090216	248.046875	142.578125	27.343750	2.0	listen
2590	0.170580	0.015100	-0.566630	248.046875	203.125000	41.015625	2.0	listen
2591	-0.185152	0.802810	-0.183728	212.890625	156.250000	-39.062500	2.0	listen
2592	-0.236091	0.681686	0.227263	-46.875000	-9.765625	19.531250	2.0	listen
2593	-0.247905	0.634012	0.480108	1.953125	1.953125	15.625000	2.0	listen
2594	-0.267493	0.599157	0.600565	3.906250	-9.765625	5.859375	2.0	listen
2595	-0.260496	0.596994	0.647839	1.953125	-5.859375	9.765625	2.0	listen
2596	-0.237547	0.601947	0.688703	0.000000	-7.812500	0.000000	2.0	listen
2597	-0.230028	0.604918	0.713222	3.906250	0.000000	1.953125	2.0	listen
2598	-0.219267	0.612951	0.715433	0.000000	-1.953125	5.859375	2.0	listen
2599	-0.219060	0.642770	0.741760	-7.812500	1.953125	41.015625	2.0	listen
2600	-0.156436	0.691912	0.720056	-42.968750	11.718750	101.562500	2.0	listen
2601	-0.062612	0.733897	0.657034	-97.656250	82.031250	3.906250	2.0	listen
2602	-0.250067	0.684088	0.537970	-250.000000	76.171875	-27.343750	2.0	listen
2603	-0.200040	0.460453	0.241532	-250.000000	-80.078125	-64.453125	2.0	listen
2604	-0.070024	-0.048728	-0.423831	-250.000000	15.625000	5.859375	2.0	listen
2605	-0.092014	-0.410487	-0.898048	-250.000000	119.140625	-64.453125	2.0	listen
2606	-0.092709	-0.783792	-1.026329	-218.750000	42.968750	-64.453125	2.0	listen
2607	-0.149375	-0.807775	-1.078297	-95.703125	54.687500	89.843750	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2608	-0.052125	-0.815915	-1.059478	-56.640625	19.531250	-83.984375	2.0	listen
2609	0.287475	-0.889549	-1.073187	60.546875	150.390625	-42.968750	2.0	listen
2610	0.441235	-0.608729	-0.962662	13.671875	-31.250000	-89.843750	2.0	listen
2611	0.433491	-0.446488	-0.983847	9.765625	-13.671875	11.718750	2.0	listen
2612	0.353845	-0.355393	-0.952808	1.953125	13.671875	13.671875	2.0	listen
2613	0.349807	-0.325736	-0.934185	-5.859375	-13.671875	17.578125	2.0	listen
2614	0.397384	-0.339191	-0.935511	7.812500	5.859375	-5.859375	0.0	listen
2615	0.419680	-0.334765	-0.923807	0.000000	-3.906250	1.953125	0.0	listen
2616	0.401808	-0.319609	-0.929284	-7.812500	-1.953125	3.906250	0.0	listen
2617	0.384835	-0.323015	-0.938820	-1.953125	0.000000	-1.953125	0.0	listen
2618	0.399651	-0.318809	-0.932042	1.953125	-1.953125	-7.812500	0.0	listen
2619	0.408541	-0.310036	-0.927975	-1.953125	-1.953125	0.000000	0.0	listen
2620	0.401374	-0.304771	-0.931785	-1.953125	0.000000	1.953125	0.0	listen
2621	0.397075	-0.301613	-0.934071	0.000000	0.000000	0.000000	0.0	listen
2622	0.353223	-0.354198	-0.925475	-1.953125	0.000000	1.953125	1.0	listen
2623	0.349434	-0.356269	-0.924035	0.000000	-1.953125	0.000000	1.0	listen
2624	0.353410	-0.345011	-0.923171	1.953125	-1.953125	-1.953125	1.0	listen
2625	0.368296	-0.344507	-0.922653	-5.859375	-1.953125	3.906250	1.0	listen
2626	0.370978	-0.350454	-0.922342	-7.812500	-5.859375	3.906250	1.0	listen
2627	0.366337	-0.329022	-0.928405	-15.625000	-1.953125	41.015625	1.0	listen
2628	0.363552	-0.384913	-0.913293	-21.484375	-15.625000	140.625000	1.0	listen
2629	0.243131	-0.768448	-0.991726	-15.625000	-52.734375	248.046875	1.0	listen
2630	0.114629	-0.961069	-1.070035	68.359375	-39.062500	-148.437500	2.0	listen
2631	0.062527	-1.114141	-1.285771	121.093750	41.015625	-250.000000	2.0	listen
2632	-0.043734	-0.968485	-1.515213	248.046875	134.765625	-132.812500	2.0	listen
2633	0.067510	-0.781091	-1.590378	248.046875	68.359375	78.125000	2.0	listen
2634	0.203006	-0.456155	-1.285477	248.046875	87.890625	105.468750	2.0	listen
2635	0.228054	-0.048693	-0.771286	248.046875	136.718750	31.250000	2.0	listen
2636	0.030582	0.683284	-0.250272	203.125000	105.468750	-46.875000	2.0	listen
2637	-0.081651	0.659971	0.149837	-39.062500	1.953125	-7.812500	2.0	listen
2638	-0.111490	0.620982	0.433652	3.906250	3.906250	11.718750	2.0	listen
2639	-0.141894	0.628839	0.572691	3.906250	0.000000	-1.953125	2.0	listen
2640	-0.160137	0.614804	0.643615	1.953125	-3.906250	-3.906250	2.0	listen
2641	-0.164832	0.625132	0.686169	0.000000	-9.765625	-1.953125	2.0	listen
2642	-0.161399	0.643829	0.711701	0.000000	-7.812500	7.812500	2.0	listen
2643	-0.140589	0.642548	0.727021	0.000000	-1.953125	15.625000	2.0	listen
2644	-0.128104	0.660529	0.729962	0.000000	5.859375	7.812500	2.0	listen
2645	-0.001862	0.727567	0.694227	-21.484375	11.718750	101.562500	2.0	listen

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2646	0.067633	0.842790	0.635286	-68.359375	105.468750	25.390625	2.0	listen
2647	-0.071920	0.755674	0.568672	-232.421875	89.843750	-42.968750	2.0	listen
2648	-0.124402	0.453405	0.366203	-250.000000	31.250000	-62.500000	2.0	listen
2649	-0.224641	-0.002957	-0.036528	-250.000000	58.593750	19.531250	2.0	listen
2650	-0.284785	-0.295524	-0.421917	-250.000000	78.125000	17.578125	2.0	listen
2651	-0.214621	-0.539815	-0.640650	-238.281250	76.171875	-154.296875	2.0	listen
2652	-0.122523	-0.748889	-0.884390	-187.500000	78.125000	-44.921875	2.0	listen
2653	-0.086014	-0.761833	-1.080634	-119.140625	95.703125	-7.812500	2.0	listen
2654	-0.014108	-0.769600	-1.110880	-46.875000	39.062500	-52.734375	2.0	listen
2655	0.322785	-0.730510	-0.997778	97.656250	83.984375	-70.312500	2.0	listen
2656	0.406171	-0.600806	-0.948667	-13.671875	-33.203125	-35.156250	2.0	listen
2657	0.381203	-0.447984	-0.962950	3.906250	5.859375	-3.906250	2.0	listen
2658	0.347472	-0.375040	-0.952770	-1.953125	-1.953125	9.765625	2.0	listen
2659	0.370983	-0.356274	-0.940412	3.906250	-1.953125	-9.765625	0.0	listen
2660	0.403840	-0.357514	-0.926747	0.000000	-3.906250	-5.859375	0.0	listen
2661	0.404804	-0.333259	-0.931048	-3.906250	-3.906250	0.000000	0.0	listen
2662	0.386632	-0.312455	-0.933629	-3.906250	-1.953125	5.859375	0.0	listen
2663	0.419479	-0.349973	-0.928927	3.906250	-7.812500	33.203125	0.0	listen
2664	0.426688	-0.409984	-0.932356	17.578125	17.578125	85.937500	0.0	listen
2665	0.399763	-0.470990	-0.928164	68.359375	29.296875	54.687500	0.0	listen
2666	0.389858	-0.601344	-0.875648	99.609375	37.109375	46.875000	0.0	listen
2667	0.437137	-0.358889	-0.890629	0.000000	0.000000	-1.953125	1.0	pointhigh
2668	0.437282	-0.359083	-0.890627	-1.953125	-1.953125	-1.953125	1.0	pointhigh
2669	0.437369	-0.359200	-0.890626	-1.953125	-1.953125	-1.953125	1.0	pointhigh
2670	0.437422	-0.359270	-0.896876	0.000000	-1.953125	-5.859375	1.0	pointhigh
2671	0.443703	-0.353062	-0.900625	0.000000	-1.953125	-5.859375	1.0	pointhigh
2672	0.447472	-0.355587	-0.902875	7.812500	0.000000	-7.812500	1.0	pointhigh
2673	0.462233	-0.388352	-0.916725	11.718750	-3.906250	-13.671875	1.0	pointhigh
2674	0.583590	-0.514261	-0.993785	60.546875	-15.625000	-41.015625	1.0	pointhigh
2675	0.787654	-0.633557	-1.115021	113.281250	9.765625	83.984375	2.0	pointhigh
2676	0.860092	-0.880134	-1.181513	181.640625	126.953125	-7.812500	2.0	pointhigh
2677	0.834805	-0.878080	-1.046408	164.062500	248.046875	-140.625000	2.0	pointhigh
2678	0.663383	-0.645598	-0.684095	64.453125	248.046875	-187.500000	2.0	pointhigh
2679	0.391780	-0.399859	-0.404207	-64.453125	208.984375	-244.140625	2.0	pointhigh
2680	0.297568	-0.452415	-0.223774	-130.859375	54.687500	-109.375000	2.0	pointhigh
2681	0.278541	-0.458949	0.128236	5.859375	21.484375	-27.343750	2.0	pointhigh
2682	0.348374	-0.350370	0.420691	3.906250	-1.953125	-15.625000	2.0	pointhigh
2683	0.402775	-0.360222	0.589915	-1.953125	1.953125	-27.343750	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2684	0.429165	-0.359883	0.685199	-1.953125	-5.859375	-17.578125	2.0	pointhigh
2685	0.444999	-0.347180	0.742369	3.906250	3.906250	0.000000	2.0	pointhigh
2686	0.466999	-0.339558	0.776672	11.718750	-1.953125	3.906250	2.0	pointhigh
2687	0.486450	-0.309985	0.803503	11.718750	3.906250	-1.953125	2.0	pointhigh
2688	0.479370	-0.273491	0.819602	7.812500	3.906250	17.578125	2.0	pointhigh
2689	0.425122	-0.232845	0.810511	-5.859375	3.906250	39.062500	2.0	pointhigh
2690	0.298823	-0.333457	0.717557	1.953125	-15.625000	166.015625	2.0	pointhigh
2691	0.191794	-0.331324	0.580534	35.156250	-113.281250	169.921875	2.0	pointhigh
2692	0.133826	-0.305044	0.467070	-27.343750	-193.359375	138.671875	2.0	pointhigh
2693	0.174046	-0.289277	0.273992	-158.203125	-230.468750	123.046875	2.0	pointhigh
2694	0.285677	-0.567316	-0.148105	-250.000000	-195.312500	76.171875	2.0	pointhigh
2695	0.540156	-0.802890	-0.501363	-201.171875	-156.250000	-107.421875	2.0	pointhigh
2696	0.686594	-0.694234	-0.763318	-107.421875	-41.015625	-160.156250	2.0	pointhigh
2697	0.643206	-0.654040	-1.007991	-166.015625	-9.765625	119.140625	2.0	pointhigh
2698	0.879674	-0.811174	-0.986044	-1.953125	27.343750	60.546875	2.0	pointhigh
2699	0.715304	-0.549204	-0.985377	82.031250	-23.437500	-126.953125	2.0	pointhigh
2700	0.560433	-0.423273	-0.941226	1.953125	23.437500	25.390625	2.0	pointhigh
2701	0.467510	-0.391464	-0.927236	3.906250	-5.859375	-1.953125	2.0	pointhigh
2702	0.461756	-0.359878	-0.931341	17.578125	-27.343750	-21.484375	2.0	pointhigh
2703	0.558303	-0.272177	-0.908805	13.671875	5.859375	-31.250000	2.0	pointhigh
2704	0.528732	-0.282056	-0.901533	0.000000	-5.859375	15.625000	0.0	pointhigh
2705	0.479739	-0.294234	-0.884670	-11.718750	3.906250	15.625000	0.0	pointhigh
2706	0.475344	-0.326540	-0.893302	-13.671875	0.000000	17.578125	0.0	pointhigh
2707	0.485206	-0.333424	-0.885981	-3.906250	3.906250	7.812500	0.0	pointhigh
2708	0.472374	-0.337554	-0.887839	1.953125	0.000000	-7.812500	0.0	pointhigh
2709	0.464674	-0.327533	-0.888953	1.953125	0.000000	-3.906250	0.0	pointhigh
2710	0.472555	-0.321520	-0.889622	0.000000	0.000000	1.953125	0.0	pointhigh
2711	0.471033	-0.324162	-0.890023	0.000000	-1.953125	-1.953125	0.0	pointhigh
2712	0.468928	-0.328905	-0.890561	0.000000	-1.953125	-3.906250	1.0	pointhigh
2713	0.468857	-0.328593	-0.890587	0.000000	-1.953125	-1.953125	1.0	pointhigh
2714	0.468814	-0.328406	-0.890602	-1.953125	-1.953125	-1.953125	1.0	pointhigh
2715	0.468788	-0.328293	-0.890611	-1.953125	-1.953125	-5.859375	1.0	pointhigh
2716	0.475023	-0.328226	-0.890617	0.000000	-1.953125	-5.859375	1.0	pointhigh
2717	0.472514	-0.334436	-0.890620	3.906250	0.000000	-1.953125	1.0	pointhigh
2718	0.489758	-0.338161	-0.896872	9.765625	-1.953125	-9.765625	1.0	pointhigh
2719	0.531355	-0.384147	-0.938123	15.625000	-13.671875	-15.625000	1.0	pointhigh
2720	0.631313	-0.486738	-1.106624	54.687500	-46.875000	-31.250000	2.0	pointhigh
2721	0.716288	-0.654543	-1.320224	123.046875	-37.109375	48.828125	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2722	0.742273	-0.648976	-1.304635	128.906250	7.812500	33.203125	2.0	pointhigh
2723	0.614114	-0.658135	-1.139031	64.453125	248.046875	-212.890625	2.0	pointhigh
2724	0.512218	-0.651131	-0.895918	-42.968750	248.046875	-250.000000	2.0	pointhigh
2725	0.226081	-0.428179	-0.700051	-95.703125	248.046875	-160.156250	2.0	pointhigh
2726	0.148149	-0.563157	-0.257531	-95.703125	15.625000	-17.578125	2.0	pointhigh
2727	0.301389	-0.419144	0.145482	44.921875	-9.765625	17.578125	2.0	pointhigh
2728	0.380833	-0.301487	0.437289	-7.812500	-9.765625	5.859375	2.0	pointhigh
2729	0.434750	-0.318392	0.606123	-9.765625	-3.906250	-11.718750	2.0	pointhigh
2730	0.473350	-0.316035	0.688674	-9.765625	-11.718750	-13.671875	2.0	pointhigh
2731	0.502760	-0.327121	0.731954	-1.953125	0.000000	1.953125	2.0	pointhigh
2732	0.520406	-0.321273	0.757923	7.812500	-1.953125	-1.953125	2.0	pointhigh
2733	0.524744	-0.305264	0.779754	-1.953125	-1.953125	-1.953125	2.0	pointhigh
2734	0.521096	-0.308158	0.792852	1.953125	0.000000	-3.906250	2.0	pointhigh
2735	0.525158	-0.297395	0.800711	0.000000	0.000000	0.000000	2.0	pointhigh
2736	0.540095	-0.290937	0.805427	1.953125	1.953125	0.000000	2.0	pointhigh
2737	0.536557	-0.287062	0.808256	-1.953125	0.000000	-1.953125	2.0	pointhigh
2738	0.534434	-0.297237	0.809954	-1.953125	-3.906250	-1.953125	2.0	pointhigh
2739	0.539410	-0.290842	0.810972	0.000000	-1.953125	-1.953125	2.0	pointhigh
2740	0.542396	-0.299505	0.811583	0.000000	0.000000	1.953125	2.0	pointhigh
2741	0.544188	-0.298453	0.811950	1.953125	1.953125	1.953125	2.0	pointhigh
2742	0.532763	-0.297822	0.799670	1.953125	0.000000	1.953125	2.0	pointhigh
2743	0.532158	-0.309943	0.773552	9.765625	-1.953125	109.375000	2.0	pointhigh
2744	0.406795	-0.285966	0.714131	31.250000	-15.625000	175.781250	2.0	pointhigh
2745	0.294077	-0.296580	0.622229	64.453125	-74.218750	93.750000	2.0	pointhigh
2746	0.220196	-0.259198	0.579587	19.531250	-156.250000	93.750000	2.0	pointhigh
2747	0.288368	-0.230519	0.460252	-60.546875	-199.218750	91.796875	2.0	pointhigh
2748	0.429271	-0.394561	0.188651	-166.015625	-207.031250	111.328125	2.0	pointhigh
2749	0.538812	-0.724237	-0.149309	-197.265625	-154.296875	52.734375	2.0	pointhigh
2750	0.573287	-0.865792	-0.427085	-144.531250	-76.171875	70.312500	2.0	pointhigh
2751	0.550222	-0.963225	-0.625001	-83.984375	-11.718750	-5.859375	2.0	pointhigh
2752	0.505133	-0.802935	-0.743751	-52.734375	-11.718750	-123.046875	2.0	pointhigh
2753	0.496830	-0.656761	-0.877500	-78.125000	-29.296875	-42.968750	0.0	pointhigh
2754	0.716848	-0.637807	-0.945250	5.859375	11.718750	-17.578125	0.0	pointhigh
2755	0.605109	-0.457684	-0.942150	27.343750	-9.765625	-17.578125	0.0	pointhigh
2756	0.500565	-0.380860	-0.909040	-5.859375	11.718750	25.390625	0.0	pointhigh
2757	0.431589	-0.366016	-0.901674	-21.484375	0.000000	-1.953125	0.0	pointhigh
2758	0.427704	-0.363360	-0.916004	-9.765625	-11.718750	-9.765625	0.0	pointhigh
2759	0.475372	-0.336766	-0.912103	1.953125	3.906250	0.000000	0.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2760	0.460223	-0.339560	-0.916012	-3.906250	-1.953125	3.906250	0.0	pointhigh
2761	0.437407	-0.302175	-0.916992	0.000000	-1.953125	-3.906250	1.0	pointhigh
2762	0.437444	-0.300055	-0.912695	0.000000	-1.953125	-3.906250	1.0	pointhigh
2763	0.437466	-0.305033	-0.910117	0.000000	-1.953125	-3.906250	1.0	pointhigh
2764	0.437480	-0.308020	-0.914820	1.953125	-1.953125	-5.859375	1.0	pointhigh
2765	0.443738	-0.316062	-0.917642	5.859375	-1.953125	-7.812500	1.0	pointhigh
2766	0.472493	-0.358387	-0.931835	21.484375	-13.671875	-21.484375	1.0	pointhigh
2767	0.508496	-0.427532	-0.971601	44.921875	-23.437500	-39.062500	1.0	pointhigh
2768	0.548847	-0.475269	-1.014211	82.031250	-17.578125	-35.156250	1.0	pointhigh
2769	0.591808	-0.516412	-1.058526	109.375000	5.859375	-19.531250	2.0	pointhigh
2770	0.673835	-0.659847	-1.078866	87.890625	13.671875	-35.156250	2.0	pointhigh
2771	0.791801	-0.658408	-0.972320	78.125000	138.671875	-68.359375	2.0	pointhigh
2772	0.818831	-0.613795	-0.727142	23.437500	248.046875	-181.640625	2.0	pointhigh
2773	0.766298	-0.512027	-0.417535	-68.359375	248.046875	-244.140625	2.0	pointhigh
2774	0.647279	-0.375966	-0.213021	-117.187500	207.031250	-111.328125	2.0	pointhigh
2775	0.450867	-0.413080	-0.102813	-146.484375	95.703125	68.359375	2.0	pointhigh
2776	0.383020	-0.422848	0.169562	46.875000	21.484375	-37.109375	2.0	pointhigh
2777	0.354812	-0.272459	0.464237	23.437500	13.671875	5.859375	2.0	pointhigh
2778	0.375387	-0.288475	0.628542	-9.765625	-5.859375	-3.906250	2.0	pointhigh
2779	0.368982	-0.304335	0.727125	3.906250	-3.906250	0.000000	2.0	pointhigh
2780	0.390139	-0.288851	0.792525	-1.953125	-7.812500	5.859375	2.0	pointhigh
2781	0.402834	-0.292061	0.825515	-1.953125	-3.906250	1.953125	2.0	pointhigh
2782	0.416700	-0.300236	0.839059	1.953125	-5.859375	7.812500	2.0	pointhigh
2783	0.431270	-0.286392	0.853435	1.953125	-5.859375	1.953125	2.0	pointhigh
2784	0.440012	-0.296835	0.855811	0.000000	-1.953125	0.000000	2.0	pointhigh
2785	0.445257	-0.303101	0.857237	1.953125	-1.953125	-3.906250	2.0	pointhigh
2786	0.435904	-0.294361	0.864342	-1.953125	-1.953125	0.000000	2.0	pointhigh
2787	0.436543	-0.295366	0.862355	0.000000	-3.906250	-3.906250	2.0	pointhigh
2788	0.436926	-0.295970	0.861163	0.000000	-1.953125	3.906250	2.0	pointhigh
2789	0.437155	-0.290082	0.866698	3.906250	-3.906250	0.000000	2.0	pointhigh
2790	0.437293	-0.280299	0.863769	0.000000	-3.906250	-1.953125	2.0	pointhigh
2791	0.443626	-0.274429	0.868261	0.000000	-1.953125	-3.906250	2.0	pointhigh
2792	0.447426	-0.283408	0.864707	-1.953125	-1.953125	0.000000	2.0	pointhigh
2793	0.449705	-0.282545	0.862574	-1.953125	-1.953125	0.000000	2.0	pointhigh
2794	0.444823	-0.282027	0.861294	-1.953125	-1.953125	-1.953125	2.0	pointhigh
2795	0.448144	-0.281716	0.866777	0.000000	-1.953125	-1.953125	2.0	pointhigh
2796	0.450136	-0.281530	0.863816	-1.953125	-1.953125	-1.953125	2.0	pointhigh
2797	0.445082	-0.281418	0.855790	-1.953125	-1.953125	1.953125	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2798	0.398299	-0.306351	0.819724	0.000000	-11.718750	62.500000	2.0	pointhigh
2799	0.345229	-0.321310	0.729334	33.203125	-41.015625	119.140625	2.0	pointhigh
2800	0.225888	-0.299036	0.612601	50.781250	-87.890625	134.765625	2.0	pointhigh
2801	0.129283	-0.235672	0.480060	-33.203125	-179.687500	123.046875	2.0	pointhigh
2802	0.171320	-0.297653	0.188036	-175.781250	-250.000000	82.031250	2.0	pointhigh
2803	0.321542	-0.622342	-0.312178	-208.984375	-232.421875	68.359375	2.0	pointhigh
2804	0.586675	-0.848405	-0.662307	-169.921875	-193.359375	-9.765625	2.0	pointhigh
2805	0.614505	-0.815293	-0.847384	-95.703125	-21.484375	-44.921875	2.0	pointhigh
2806	0.618703	-0.614176	-0.970931	-76.171875	-29.296875	-11.718750	2.0	pointhigh
2807	0.589972	-0.637256	-0.995058	-39.062500	48.828125	60.546875	2.0	pointhigh
2808	0.566483	-0.513603	-1.003285	48.828125	-21.484375	-113.281250	2.0	pointhigh
2809	0.477390	-0.351912	-0.958221	-5.859375	11.718750	-1.953125	2.0	pointhigh
2810	0.436434	-0.348647	-0.943683	-15.625000	0.000000	13.671875	2.0	pointhigh
2811	0.493110	-0.334188	-0.947460	13.671875	-1.953125	-46.875000	2.0	pointhigh
2812	0.508366	-0.275513	-0.930976	0.000000	1.953125	15.625000	0.0	pointhigh
2813	0.486270	-0.284058	-0.927335	-9.765625	0.000000	25.390625	0.0	pointhigh
2814	0.448012	-0.295435	-0.925151	-9.765625	1.953125	7.812500	0.0	pointhigh
2815	0.437557	-0.308511	-0.923841	-3.906250	0.000000	7.812500	0.0	pointhigh
2816	0.443784	-0.303856	-0.916804	-1.953125	0.000000	0.000000	0.0	pointhigh
2817	0.441271	-0.301064	-0.918833	-3.906250	-1.953125	1.953125	0.0	pointhigh
2818	0.433512	-0.305638	-0.920050	-1.953125	-1.953125	0.000000	0.0	pointhigh
2819	0.435107	-0.302133	-0.920780	0.000000	0.000000	-3.906250	0.0	pointhigh
2820	0.436038	-0.303370	-0.913324	1.953125	-1.953125	-7.812500	1.0	pointhigh
2821	0.436623	-0.307022	-0.916744	3.906250	-3.906250	-15.625000	1.0	pointhigh
2822	0.436974	-0.309213	-0.918797	7.812500	-3.906250	-17.578125	1.0	pointhigh
2823	0.449684	-0.323028	-0.926278	17.578125	-9.765625	-19.531250	1.0	pointhigh
2824	0.444811	-0.343817	-0.930767	23.437500	-13.671875	-5.859375	1.0	pointhigh
2825	0.460636	-0.393790	-0.958460	39.062500	-29.296875	-31.250000	1.0	pointhigh
2826	0.488882	-0.436274	-1.006326	62.500000	-42.968750	-37.109375	1.0	pointhigh
2827	0.505829	-0.511764	-1.066296	83.984375	-46.875000	-7.812500	1.0	pointhigh
2828	0.497247	-0.625809	-1.096027	101.562500	-39.062500	-7.812500	2.0	pointhigh
2829	0.517098	-0.662985	-1.101366	50.781250	0.000000	-48.828125	2.0	pointhigh
2830	0.529009	-0.629041	-1.004570	5.859375	160.156250	-83.984375	2.0	pointhigh
2831	0.567405	-0.589925	-0.833992	-111.328125	248.046875	-82.031250	2.0	pointhigh
2832	0.596693	-0.603955	-0.656645	-105.468750	248.046875	-103.515625	2.0	pointhigh
2833	0.551766	-0.524873	-0.437737	-111.328125	248.046875	-152.343750	2.0	pointhigh
2834	0.418560	-0.358674	-0.206392	-97.656250	158.203125	-1.953125	2.0	pointhigh
2835	0.507386	-0.496454	0.107415	-39.062500	-3.906250	-11.718750	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2836	0.485681	-0.335373	0.358199	35.156250	52.734375	-39.062500	2.0	pointhigh
2837	0.547659	-0.326224	0.521169	-9.765625	0.000000	-17.578125	2.0	pointhigh
2838	0.534845	-0.283234	0.618952	-1.953125	0.000000	-3.906250	2.0	pointhigh
2839	0.552157	-0.301190	0.683871	-3.906250	-9.765625	-7.812500	2.0	pointhigh
2840	0.575044	-0.293214	0.729073	0.000000	-3.906250	-5.859375	2.0	pointhigh
2841	0.601277	-0.300929	0.749944	-3.906250	-1.953125	-1.953125	2.0	pointhigh
2842	0.592016	-0.299307	0.756216	0.000000	-1.953125	0.000000	2.0	pointhigh
2843	0.598960	-0.298334	0.766230	-3.906250	-3.906250	1.953125	2.0	pointhigh
2844	0.590626	-0.304001	0.772238	-1.953125	-1.953125	3.906250	2.0	pointhigh
2845	0.591875	-0.307400	0.769593	0.000000	0.000000	1.953125	2.0	pointhigh
2846	0.592625	-0.303190	0.768006	0.000000	0.000000	-1.953125	2.0	pointhigh
2847	0.593075	-0.300664	0.773303	-1.953125	-1.953125	-1.953125	2.0	pointhigh
2848	0.599595	-0.317898	0.770232	0.000000	0.000000	0.000000	2.0	pointhigh
2849	0.609757	-0.309489	0.768389	1.953125	0.000000	1.953125	2.0	pointhigh
2850	0.609604	-0.304443	0.767284	0.000000	0.000000	3.906250	2.0	pointhigh
2851	0.603263	-0.301416	0.772870	-1.953125	0.000000	0.000000	2.0	pointhigh
2852	0.599458	-0.305850	0.769972	-1.953125	0.000000	-1.953125	2.0	pointhigh
2853	0.597175	-0.302260	0.768233	1.953125	-1.953125	1.953125	2.0	pointhigh
2854	0.595805	-0.306356	0.767190	5.859375	1.953125	13.671875	2.0	pointhigh
2855	0.576233	-0.308814	0.766564	25.390625	1.953125	21.484375	2.0	pointhigh
2856	0.533240	-0.272788	0.734938	44.921875	11.718750	58.593750	2.0	pointhigh
2857	0.451194	-0.257423	0.684713	35.156250	-27.343750	123.046875	2.0	pointhigh
2858	0.370716	-0.279454	0.598328	17.578125	-103.515625	152.343750	2.0	pointhigh
2859	0.328680	-0.348922	0.477747	-21.484375	-162.109375	105.468750	2.0	pointhigh
2860	0.378458	-0.403103	0.305398	-76.171875	-199.218750	52.734375	2.0	pointhigh
2861	0.464575	-0.529362	0.058239	-146.484375	-224.609375	113.281250	2.0	pointhigh
2862	0.509995	-0.680117	-0.302557	-138.671875	-95.703125	39.062500	2.0	pointhigh
2863	0.555997	-0.708070	-0.575284	-158.203125	-140.625000	9.765625	2.0	pointhigh
2864	0.552348	-0.749842	-0.788920	-87.890625	-70.312500	-37.109375	2.0	pointhigh
2865	0.606409	-0.631155	-0.917102	-70.312500	-19.531250	-50.781250	0.0	pointhigh
2866	0.763845	-0.641193	-0.969011	-33.203125	80.078125	72.265625	0.0	pointhigh
2867	0.695807	-0.522216	-0.987657	39.062500	-27.343750	-80.078125	0.0	pointhigh
2868	0.561234	-0.363330	-0.955094	15.625000	29.296875	3.906250	0.0	pointhigh
2869	0.461741	-0.336748	-0.929306	-17.578125	5.859375	21.484375	0.0	pointhigh
2870	0.439544	-0.333299	-0.932584	-9.765625	-17.578125	-21.484375	0.0	pointhigh
2871	0.476227	-0.324979	-0.934550	3.906250	-9.765625	-15.625000	0.0	pointhigh
2872	0.479486	-0.288738	-0.923230	0.000000	-1.953125	3.906250	0.0	pointhigh
2873	0.435933	-0.316557	-0.915177	5.859375	-1.953125	-3.906250	1.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2874	0.430310	-0.314934	-0.911606	5.859375	-3.906250	0.000000	1.0	pointhigh
2875	0.426936	-0.307711	-0.909464	3.906250	-1.953125	-1.953125	1.0	pointhigh
2876	0.431162	-0.315876	-0.908178	-1.953125	-1.953125	0.000000	1.0	pointhigh
2877	0.433697	-0.327026	-0.907407	0.000000	-1.953125	-1.953125	1.0	pointhigh
2878	0.447718	-0.352465	-0.925694	9.765625	-9.765625	-11.718750	1.0	pointhigh
2879	0.468631	-0.448979	-0.974166	13.671875	-50.781250	-5.859375	1.0	pointhigh
2880	0.468679	-0.513138	-1.072000	74.218750	-70.312500	-46.875000	1.0	pointhigh
2881	0.487457	-0.576633	-1.161950	99.609375	-91.796875	-15.625000	2.0	pointhigh
2882	0.473724	-0.639730	-1.228420	115.234375	-27.343750	-48.828125	2.0	pointhigh
2883	0.477985	-0.671338	-1.112052	115.234375	156.250000	-76.171875	2.0	pointhigh
2884	0.505541	-0.646553	-0.885981	11.718750	248.046875	-152.343750	2.0	pointhigh
2885	0.509574	-0.612932	-0.625339	-39.062500	248.046875	-91.796875	2.0	pointhigh
2886	0.405745	-0.549009	-0.493953	-54.687500	248.046875	-214.843750	2.0	pointhigh
2887	0.199697	-0.629405	-0.165122	-119.140625	54.687500	-31.250000	2.0	pointhigh
2888	0.407318	-0.533893	0.119677	33.203125	17.578125	-37.109375	2.0	pointhigh
2889	0.475641	-0.457836	0.359306	0.000000	9.765625	13.671875	2.0	pointhigh
2890	0.522885	-0.449702	0.515584	7.812500	7.812500	5.859375	2.0	pointhigh
2891	0.563731	-0.432321	0.603100	-1.953125	0.000000	11.718750	2.0	pointhigh
2892	0.550738	-0.403143	0.649360	7.812500	-1.953125	11.718750	2.0	pointhigh
2893	0.549193	-0.366886	0.695866	5.859375	0.000000	0.000000	2.0	pointhigh
2894	0.567016	-0.363881	0.717520	3.906250	0.000000	0.000000	2.0	pointhigh
2895	0.577709	-0.368329	0.736762	0.000000	-3.906250	-3.906250	2.0	pointhigh
2896	0.584126	-0.364747	0.748307	3.906250	-1.953125	-1.953125	2.0	pointhigh
2897	0.581725	-0.350098	0.755234	1.953125	-1.953125	0.000000	2.0	pointhigh
2898	0.580285	-0.347559	0.759391	0.000000	0.000000	-1.953125	2.0	pointhigh
2899	0.585671	-0.352285	0.761884	0.000000	-1.953125	-3.906250	2.0	pointhigh
2900	0.576403	-0.348871	0.763381	0.000000	0.000000	-1.953125	2.0	pointhigh
2901	0.570842	-0.346823	0.764278	0.000000	-1.953125	-3.906250	2.0	pointhigh
2902	0.573755	-0.333094	0.764817	-1.953125	-1.953125	1.953125	2.0	pointhigh
2903	0.575503	-0.331106	0.765140	-1.953125	-1.953125	0.000000	2.0	pointhigh
2904	0.589052	-0.336164	0.765334	0.000000	-1.953125	-1.953125	2.0	pointhigh
2905	0.584681	-0.339198	0.765450	-1.953125	0.000000	0.000000	2.0	pointhigh
2906	0.582059	-0.347269	0.765520	0.000000	0.000000	1.953125	2.0	pointhigh
2907	0.580485	-0.345861	0.765562	0.000000	-1.953125	0.000000	2.0	pointhigh
2908	0.579541	-0.345017	0.765587	1.953125	-1.953125	-1.953125	2.0	pointhigh
2909	0.578975	-0.344510	0.765602	1.953125	0.000000	-3.906250	2.0	pointhigh
2910	0.578635	-0.337956	0.765611	1.953125	0.000000	0.000000	2.0	pointhigh
2911	0.578431	-0.340274	0.765617	0.000000	0.000000	1.953125	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2912	0.578309	-0.335414	0.765620	1.953125	0.000000	0.000000	2.0	pointhigh
2913	0.584485	-0.326249	0.765622	0.000000	0.000000	0.000000	2.0	pointhigh
2914	0.575691	-0.326999	0.765623	0.000000	1.953125	0.000000	2.0	pointhigh
2915	0.570415	-0.321199	0.765624	-1.953125	-1.953125	-1.953125	2.0	pointhigh
2916	0.560999	-0.330220	0.759374	3.906250	-1.953125	11.718750	2.0	pointhigh
2917	0.492849	-0.373132	0.711875	25.390625	-15.625000	85.937500	2.0	pointhigh
2918	0.383210	-0.411379	0.620875	56.640625	-60.546875	117.187500	2.0	pointhigh
2919	0.317426	-0.384327	0.528775	41.015625	-152.343750	117.187500	2.0	pointhigh
2920	0.309205	-0.374346	0.373515	-17.578125	-201.171875	95.703125	2.0	pointhigh
2921	0.335523	-0.387108	0.099109	-132.812500	-250.000000	87.890625	2.0	pointhigh
2922	0.488814	-0.638515	-0.378035	-175.781250	-207.031250	29.296875	2.0	pointhigh
2923	0.724538	-0.714359	-0.701821	-140.625000	-136.718750	-13.671875	2.0	pointhigh
2924	0.728473	-0.691115	-0.908592	-109.375000	-1.953125	33.203125	2.0	pointhigh
2925	0.705834	-0.633419	-1.013905	-93.750000	-29.296875	52.734375	2.0	pointhigh
2926	0.654750	-0.648802	-0.983343	-11.718750	27.343750	37.109375	2.0	pointhigh
2927	0.567850	-0.545531	-0.977506	27.343750	-11.718750	-93.750000	2.0	pointhigh
2928	0.471960	-0.421069	-0.942754	11.718750	7.812500	1.953125	2.0	pointhigh
2929	0.426926	-0.390141	-0.934402	9.765625	-1.953125	1.953125	2.0	pointhigh
2930	0.456156	-0.365335	-0.929391	13.671875	-13.671875	-29.296875	2.0	pointhigh
2931	0.467443	-0.312951	-0.920135	5.859375	-1.953125	-25.390625	0.0	pointhigh
2932	0.461716	-0.319020	-0.914581	-7.812500	0.000000	11.718750	0.0	pointhigh
2933	0.439530	-0.322662	-0.911249	-7.812500	-1.953125	9.765625	0.0	pointhigh
2934	0.432468	-0.356097	-0.902999	-3.906250	0.000000	3.906250	0.0	pointhigh
2935	0.434481	-0.344908	-0.904299	1.953125	-3.906250	-13.671875	0.0	pointhigh
2936	0.435688	-0.331945	-0.905080	0.000000	-3.906250	-5.859375	0.0	pointhigh
2937	0.430163	-0.330417	-0.905548	-3.906250	-3.906250	0.000000	0.0	pointhigh
2938	0.426848	-0.335750	-0.905829	0.000000	-1.953125	-3.906250	0.0	pointhigh
2939	0.424859	-0.338950	-0.905997	1.953125	-1.953125	-5.859375	0.0	pointhigh
2940	0.423665	-0.334620	-0.906098	0.000000	-1.953125	-1.953125	0.0	pointhigh
2941	0.422949	-0.332022	-0.906159	1.953125	-1.953125	-3.906250	1.0	pointhigh
2942	0.428769	-0.336713	-0.906195	3.906250	-1.953125	-5.859375	1.0	pointhigh
2943	0.432262	-0.339528	-0.912467	5.859375	-3.906250	-7.812500	1.0	pointhigh
2944	0.440607	-0.353717	-0.916230	9.765625	-9.765625	-11.718750	1.0	pointhigh
2945	0.451864	-0.399730	-0.949738	19.531250	-35.156250	-31.250000	1.0	pointhigh
2946	0.471119	-0.452338	-1.013593	39.062500	-66.406250	-42.968750	1.0	pointhigh
2947	0.495171	-0.521403	-1.101906	60.546875	-83.984375	-15.625000	2.0	pointhigh
2948	0.503353	-0.612842	-1.211143	68.359375	-42.968750	-17.578125	2.0	pointhigh
2949	0.502012	-0.667705	-1.257936	66.406250	48.828125	-37.109375	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2950	0.463707	-0.613123	-1.104762	37.109375	248.046875	-130.859375	2.0	pointhigh
2951	0.559474	-0.549124	-0.819107	-91.796875	248.046875	-97.656250	2.0	pointhigh
2952	0.535685	-0.529474	-0.666464	-85.937500	248.046875	-181.640625	2.0	pointhigh
2953	0.421411	-0.342685	-0.443629	-109.375000	222.656250	-76.171875	2.0	pointhigh
2954	0.334096	-0.474361	-0.059927	-72.265625	44.921875	29.296875	2.0	pointhigh
2955	0.431708	-0.422116	0.239044	33.203125	31.250000	-21.484375	2.0	pointhigh
2956	0.477775	-0.359520	0.487176	3.906250	-1.953125	3.906250	2.0	pointhigh
2957	0.505415	-0.334462	0.617306	-3.906250	3.906250	-11.718750	2.0	pointhigh
2958	0.496999	-0.325677	0.689133	-3.906250	-1.953125	-1.953125	2.0	pointhigh
2959	0.498199	-0.314156	0.725980	-3.906250	-5.859375	-1.953125	2.0	pointhigh
2960	0.523920	-0.307244	0.754338	-3.906250	-9.765625	0.000000	2.0	pointhigh
2961	0.545602	-0.328096	0.765103	-1.953125	-3.906250	1.953125	2.0	pointhigh
2962	0.552361	-0.328108	0.771562	3.906250	-1.953125	0.000000	2.0	pointhigh
2963	0.550167	-0.334365	0.775437	1.953125	-1.953125	1.953125	2.0	pointhigh
2964	0.548850	-0.331869	0.777762	3.906250	0.000000	-1.953125	2.0	pointhigh
2965	0.554310	-0.317871	0.779157	1.953125	-1.953125	0.000000	2.0	pointhigh
2966	0.557586	-0.315723	0.779994	0.000000	-3.906250	0.000000	2.0	pointhigh
2967	0.565802	-0.320684	0.780497	0.000000	-1.953125	0.000000	2.0	pointhigh
2968	0.564481	-0.323660	0.780798	-1.953125	-1.953125	0.000000	2.0	pointhigh
2969	0.563689	-0.325446	0.780979	1.953125	0.000000	-1.953125	2.0	pointhigh
2970	0.569463	-0.320268	0.787337	3.906250	0.000000	1.953125	2.0	pointhigh
2971	0.566678	-0.317161	0.784902	1.953125	-1.953125	0.000000	2.0	pointhigh
2972	0.558757	-0.309046	0.789691	1.953125	0.000000	-1.953125	2.0	pointhigh
2973	0.560254	-0.304178	0.792565	-1.953125	0.000000	0.000000	2.0	pointhigh
2974	0.561152	-0.307507	0.788039	0.000000	0.000000	0.000000	2.0	pointhigh
2975	0.567941	-0.309504	0.791573	0.000000	0.000000	0.000000	2.0	pointhigh
2976	0.559515	-0.310702	0.793694	0.000000	0.000000	0.000000	2.0	pointhigh
2977	0.560709	-0.311421	0.788716	0.000000	-1.953125	1.953125	2.0	pointhigh
2978	0.561425	-0.305603	0.785730	0.000000	-1.953125	0.000000	2.0	pointhigh
2979	0.561855	-0.302112	0.783938	-1.953125	-3.906250	-5.859375	2.0	pointhigh
2980	0.568363	-0.306267	0.782863	0.000000	-3.906250	1.953125	2.0	pointhigh
2981	0.572268	-0.321260	0.782218	-1.953125	0.000000	1.953125	2.0	pointhigh
2982	0.568361	-0.330256	0.781831	1.953125	-1.953125	1.953125	2.0	pointhigh
2983	0.572266	-0.323154	0.775348	5.859375	-3.906250	1.953125	2.0	pointhigh
2984	0.568360	-0.318892	0.777709	5.859375	-3.906250	7.812500	2.0	pointhigh
2985	0.572266	-0.316335	0.779125	1.953125	-3.906250	1.953125	2.0	pointhigh
2986	0.574610	-0.314801	0.773725	-1.953125	-3.906250	13.671875	2.0	pointhigh
2987	0.551016	-0.332631	0.751735	5.859375	-5.859375	48.828125	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
2988	0.493109	-0.355828	0.707291	31.250000	-19.531250	74.218750	2.0	pointhigh
2989	0.389616	-0.294747	0.599375	29.296875	-56.640625	99.609375	2.0	pointhigh
2990	0.290019	-0.308098	0.459625	-1.953125	-166.015625	93.750000	2.0	pointhigh
2991	0.317762	-0.334859	0.325775	-80.078125	-234.375000	68.359375	2.0	pointhigh
2992	0.421907	-0.450915	0.064215	-134.765625	-199.218750	85.937500	2.0	pointhigh
2993	0.503144	-0.714299	-0.348971	-152.343750	-181.640625	44.921875	2.0	pointhigh
2994	0.545637	-0.828580	-0.659383	-113.281250	-107.421875	83.984375	2.0	pointhigh
2995	0.602382	-0.809648	-0.814380	-103.515625	-35.156250	-17.578125	2.0	pointhigh
2996	0.667679	-0.804539	-0.938628	-50.781250	54.687500	-89.843750	2.0	pointhigh
2997	0.663107	-0.726473	-0.969427	-15.625000	13.671875	-15.625000	2.0	pointhigh
2998	0.560364	-0.529634	-0.975406	13.671875	-7.812500	-62.500000	2.0	pointhigh
2999	0.479969	-0.405280	-0.953994	-15.625000	1.953125	9.765625	2.0	pointhigh
3000	0.456731	-0.374418	-0.959896	-21.484375	5.859375	29.296875	2.0	pointhigh
3001	0.455289	-0.380901	-0.938438	-1.953125	1.953125	11.718750	2.0	pointhigh
3002	0.435673	-0.334791	-0.931813	-1.953125	3.906250	-5.859375	0.0	pointhigh
3003	0.411404	-0.319624	-0.934088	-7.812500	1.953125	5.859375	0.0	pointhigh
3004	0.415592	-0.316775	-0.929203	-1.953125	1.953125	9.765625	0.0	pointhigh
3005	0.418105	-0.315065	-0.926272	0.000000	3.906250	5.859375	0.0	pointhigh
3006	0.419613	-0.307789	-0.924513	0.000000	0.000000	1.953125	0.0	pointhigh
3007	0.420518	-0.315923	-0.923458	0.000000	-3.906250	-13.671875	0.0	pointhigh
3008	0.421061	-0.308304	-0.922825	0.000000	-1.953125	-11.718750	0.0	pointhigh
3009	0.415136	-0.309982	-0.922445	-1.953125	-1.953125	-3.906250	0.0	pointhigh
3010	0.424082	-0.310989	-0.922217	0.000000	-3.906250	-5.859375	0.0	pointhigh
3011	0.423199	-0.311594	-0.922080	3.906250	-3.906250	-9.765625	0.0	pointhigh
3012	0.422669	-0.311956	-0.921998	3.906250	-3.906250	-11.718750	1.0	pointhigh
3013	0.422352	-0.324674	-0.921949	7.812500	-5.859375	-17.578125	1.0	pointhigh
3014	0.428411	-0.344804	-0.928169	19.531250	-15.625000	-33.203125	1.0	pointhigh
3015	0.457047	-0.369383	-0.950652	35.156250	-29.296875	-42.968750	1.0	pointhigh
3016	0.492978	-0.396630	-1.001641	48.828125	-48.828125	-46.875000	1.0	pointhigh
3017	0.514537	-0.444228	-1.069735	50.781250	-44.921875	-13.671875	1.0	pointhigh
3018	0.489972	-0.516537	-1.135591	50.781250	-44.921875	-3.906250	2.0	pointhigh
3019	0.493983	-0.509922	-1.162604	48.828125	-7.812500	-11.718750	2.0	pointhigh
3020	0.521390	-0.524703	-1.135063	-5.859375	121.093750	-31.250000	2.0	pointhigh
3021	0.519084	-0.539822	-1.068538	-72.265625	248.046875	-72.265625	2.0	pointhigh
3022	0.505200	-0.561393	-0.928623	-58.593750	248.046875	3.906250	2.0	pointhigh
3023	0.384370	-0.518086	-0.732174	5.859375	248.046875	-105.468750	2.0	pointhigh
3024	0.174372	-0.429602	-0.258054	-31.250000	156.250000	42.968750	2.0	pointhigh
3025	0.317123	-0.401511	0.113918	23.437500	27.343750	-21.484375	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3026	0.384024	-0.315907	0.387101	27.343750	31.250000	-29.296875	2.0	pointhigh
3027	0.430414	-0.277044	0.588510	-11.718750	3.906250	-1.953125	2.0	pointhigh
3028	0.426999	-0.266226	0.690606	-11.718750	-3.906250	3.906250	2.0	pointhigh
3029	0.443699	-0.265986	0.751864	-9.765625	-11.718750	0.000000	2.0	pointhigh
3030	0.472470	-0.265841	0.788618	-7.812500	-5.859375	3.906250	2.0	pointhigh
3031	0.483482	-0.278255	0.804421	-5.859375	-1.953125	7.812500	2.0	pointhigh
3032	0.483839	-0.285703	0.807653	-1.953125	-5.859375	3.906250	2.0	pointhigh
3033	0.496553	-0.290172	0.815842	0.000000	-5.859375	0.000000	2.0	pointhigh
3034	0.516682	-0.299103	0.820755	-1.953125	-1.953125	3.906250	2.0	pointhigh
3035	0.516259	-0.316962	0.817453	-5.859375	-1.953125	5.859375	2.0	pointhigh
3036	0.509756	-0.321427	0.815472	3.906250	0.000000	0.000000	2.0	pointhigh
3037	0.518353	-0.305356	0.820533	1.953125	0.000000	0.000000	2.0	pointhigh
3038	0.517262	-0.308214	0.823570	0.000000	0.000000	-1.953125	2.0	pointhigh
3039	0.504107	-0.303678	0.825392	1.953125	0.000000	-3.906250	2.0	pointhigh
3040	0.502464	-0.294707	0.826485	0.000000	-1.953125	0.000000	2.0	pointhigh
3041	0.507729	-0.295574	0.827141	-1.953125	-1.953125	0.000000	2.0	pointhigh
3042	0.504637	-0.296095	0.821285	-3.906250	0.000000	-1.953125	2.0	pointhigh
3043	0.509032	-0.302657	0.824021	0.000000	-1.953125	-1.953125	2.0	pointhigh
3044	0.505419	-0.306594	0.825662	-1.953125	-1.953125	1.953125	2.0	pointhigh
3045	0.503252	-0.308956	0.820397	0.000000	-1.953125	1.953125	2.0	pointhigh
3046	0.508201	-0.304124	0.823488	0.000000	-1.953125	0.000000	2.0	pointhigh
3047	0.511171	-0.301224	0.819093	0.000000	-1.953125	1.953125	2.0	pointhigh
3048	0.512952	-0.299485	0.816456	0.000000	-1.953125	3.906250	2.0	pointhigh
3049	0.514021	-0.304691	0.821124	-1.953125	-3.906250	3.906250	2.0	pointhigh
3050	0.514663	-0.320314	0.811424	-3.906250	-1.953125	1.953125	2.0	pointhigh
3051	0.515048	-0.323439	0.811854	0.000000	0.000000	5.859375	2.0	pointhigh
3052	0.502779	-0.325313	0.812113	0.000000	-1.953125	9.765625	2.0	pointhigh
3053	0.489167	-0.351438	0.806018	1.953125	-5.859375	11.718750	2.0	pointhigh
3054	0.481000	-0.342113	0.789861	3.906250	-7.812500	33.203125	2.0	pointhigh
3055	0.444850	-0.330268	0.767666	11.718750	-9.765625	44.921875	2.0	pointhigh
3056	0.360660	-0.341911	0.704350	9.765625	-33.203125	74.218750	2.0	pointhigh
3057	0.278896	-0.355146	0.578860	-5.859375	-111.328125	87.890625	2.0	pointhigh
3058	0.211088	-0.338088	0.397316	-48.828125	-191.406250	66.406250	2.0	pointhigh
3059	0.295403	-0.371603	0.113390	-150.390625	-250.000000	13.671875	2.0	pointhigh
3060	0.414742	-0.535462	-0.288216	-138.671875	-250.000000	33.203125	2.0	pointhigh
3061	0.580095	-0.702527	-0.704180	-136.718750	-191.406250	44.921875	2.0	pointhigh
3062	0.604307	-0.721516	-0.903758	-64.453125	-35.156250	-44.921875	2.0	pointhigh
3063	0.731334	-0.620410	-1.017255	-41.015625	-25.390625	-52.734375	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3064	0.670051	-0.534746	-1.022853	-7.812500	35.156250	9.765625	2.0	pointhigh
3065	0.602030	-0.420847	-1.013712	23.437500	-31.250000	-82.031250	2.0	pointhigh
3066	0.504968	-0.352508	-0.970727	-5.859375	7.812500	17.578125	2.0	pointhigh
3067	0.459231	-0.349005	-0.957436	-3.906250	3.906250	9.765625	2.0	pointhigh
3068	0.481789	-0.340653	-0.936962	-3.906250	11.718750	29.296875	2.0	pointhigh
3069	0.445323	-0.348142	-0.924677	-5.859375	1.953125	17.578125	0.0	pointhigh
3070	0.442194	-0.365135	-0.917306	-3.906250	0.000000	1.953125	0.0	pointhigh
3071	0.434066	-0.356581	-0.912884	3.906250	0.000000	-3.906250	0.0	pointhigh
3072	0.429190	-0.351449	-0.910230	0.000000	1.953125	3.906250	0.0	pointhigh
3073	0.426264	-0.360869	-0.902388	-1.953125	0.000000	0.000000	0.0	pointhigh
3074	0.424508	-0.360272	-0.897683	-1.953125	-1.953125	-1.953125	0.0	pointhigh
3075	0.423455	-0.359913	-0.901110	-3.906250	-1.953125	-1.953125	0.0	pointhigh
3076	0.429073	-0.359698	-0.903166	0.000000	-1.953125	-1.953125	0.0	pointhigh
3077	0.450570	-0.271681	-0.921870	1.953125	-1.953125	-5.859375	1.0	pointhigh
3078	0.451592	-0.269259	-0.921872	1.953125	-1.953125	-3.906250	1.0	pointhigh
3079	0.452205	-0.274055	-0.915623	1.953125	-1.953125	-3.906250	1.0	pointhigh
3080	0.458823	-0.295683	-0.918124	7.812500	-5.859375	-9.765625	1.0	pointhigh
3081	0.456544	-0.321160	-0.932124	19.531250	-11.718750	-17.578125	1.0	pointhigh
3082	0.467676	-0.386446	-0.965525	42.968750	-27.343750	-37.109375	1.0	pointhigh
3083	0.480606	-0.444368	-1.016815	70.312500	-62.500000	-37.109375	1.0	pointhigh
3084	0.494613	-0.529121	-1.066339	99.609375	-66.406250	-62.500000	1.0	pointhigh
3085	0.546768	-0.567472	-1.114803	105.468750	-23.437500	-68.359375	2.0	pointhigh
3086	0.646811	-0.527983	-1.075132	58.593750	42.968750	-62.500000	2.0	pointhigh
3087	0.694337	-0.560540	-0.976329	-3.906250	226.562500	-119.140625	2.0	pointhigh
3088	0.710352	-0.580074	-0.760798	-76.171875	248.046875	-93.750000	2.0	pointhigh
3089	0.732461	-0.541794	-0.556479	-82.031250	248.046875	-95.703125	2.0	pointhigh
3090	0.626977	-0.481327	-0.390137	-60.546875	248.046875	-60.546875	2.0	pointhigh
3091	0.438686	-0.457546	-0.121582	-95.703125	119.140625	-37.109375	2.0	pointhigh
3092	0.425712	-0.437028	0.195801	15.625000	35.156250	-44.921875	2.0	pointhigh
3093	0.405427	-0.318467	0.442480	15.625000	15.625000	-3.906250	2.0	pointhigh
3094	0.474506	-0.272330	0.590488	-1.953125	0.000000	-7.812500	2.0	pointhigh
3095	0.490954	-0.294648	0.679293	-9.765625	0.000000	-5.859375	2.0	pointhigh
3096	0.513322	-0.301789	0.732576	-1.953125	-3.906250	5.859375	2.0	pointhigh
3097	0.526743	-0.299823	0.770795	-3.906250	-1.953125	1.953125	2.0	pointhigh
3098	0.534796	-0.298644	0.787477	1.953125	1.953125	0.000000	2.0	pointhigh
3099	0.527128	-0.291686	0.797486	0.000000	-1.953125	3.906250	2.0	pointhigh
3100	0.535027	-0.300012	0.803492	-1.953125	-1.953125	3.906250	2.0	pointhigh
3101	0.527266	-0.292507	0.813345	0.000000	-1.953125	1.953125	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3102	0.522610	-0.281754	0.819257	0.000000	-3.906250	1.953125	2.0	pointhigh
3103	0.513566	-0.275303	0.816554	-1.953125	-3.906250	-1.953125	2.0	pointhigh
3104	0.520639	-0.265182	0.814933	-1.953125	-1.953125	-1.953125	2.0	pointhigh
3105	0.531134	-0.271609	0.813960	-1.953125	-1.953125	-1.953125	2.0	pointhigh
3106	0.543680	-0.281715	0.813376	-1.953125	-1.953125	-3.906250	2.0	pointhigh
3107	0.551208	-0.287779	0.806775	0.000000	-1.953125	-1.953125	2.0	pointhigh
3108	0.555725	-0.278918	0.809065	1.953125	-1.953125	0.000000	2.0	pointhigh
3109	0.552185	-0.286101	0.797939	5.859375	-1.953125	3.906250	2.0	pointhigh
3110	0.543811	-0.277910	0.785013	9.765625	-3.906250	21.484375	2.0	pointhigh
3111	0.495037	-0.260496	0.764758	11.718750	-7.812500	46.875000	2.0	pointhigh
3112	0.409522	-0.281298	0.702605	5.859375	-42.968750	95.703125	2.0	pointhigh
3113	0.351963	-0.268779	0.577813	33.203125	-76.171875	101.562500	2.0	pointhigh
3114	0.348678	-0.280017	0.459188	-3.906250	-136.718750	74.218750	2.0	pointhigh
3115	0.377957	-0.311760	0.319263	-83.984375	-197.265625	97.656250	2.0	pointhigh
3116	0.489274	-0.487056	0.072808	-142.578125	-224.609375	87.890625	2.0	pointhigh
3117	0.581064	-0.729734	-0.287565	-117.187500	-130.859375	66.406250	2.0	pointhigh
3118	0.642389	-0.737840	-0.522539	-115.234375	-125.000000	3.906250	2.0	pointhigh
3119	0.666683	-0.730204	-0.738524	-121.093750	-54.687500	0.000000	2.0	pointhigh
3120	0.650010	-0.613122	-0.918114	-109.375000	-5.859375	31.250000	2.0	pointhigh
3121	0.583756	-0.630373	-1.019618	-56.640625	13.671875	13.671875	2.0	pointhigh
3122	0.556504	-0.496974	-0.999271	44.921875	13.671875	-54.687500	2.0	pointhigh
3123	0.496402	-0.391934	-0.974563	3.906250	-7.812500	-17.578125	2.0	pointhigh
3124	0.429091	-0.335161	-0.959738	3.906250	5.859375	-9.765625	2.0	pointhigh
3125	0.407455	-0.307346	-0.957093	1.953125	-3.906250	3.906250	2.0	pointhigh
3126	0.419473	-0.271908	-0.955506	3.906250	3.906250	-9.765625	0.0	pointhigh
3127	0.414184	-0.263145	-0.948303	-5.859375	1.953125	17.578125	0.0	pointhigh
3128	0.398510	-0.270387	-0.943982	-5.859375	0.000000	5.859375	0.0	pointhigh
3129	0.395356	-0.287232	-0.947639	-3.906250	0.000000	5.859375	0.0	pointhigh
3130	0.399714	-0.284839	-0.943584	0.000000	0.000000	-3.906250	0.0	pointhigh
3131	0.402328	-0.277154	-0.941150	-1.953125	-1.953125	-1.953125	0.0	pointhigh
3132	0.397647	-0.278792	-0.939690	-1.953125	-1.953125	-1.953125	0.0	pointhigh
3133	0.394838	-0.279775	-0.938814	-1.953125	-1.953125	-5.859375	0.0	pointhigh
3134	0.395285	-0.270931	-0.937784	1.953125	0.000000	-1.953125	1.0	pointhigh
3135	0.393421	-0.268809	-0.937670	0.000000	-1.953125	0.000000	1.0	pointhigh
3136	0.398553	-0.273785	-0.937602	-1.953125	0.000000	1.953125	1.0	pointhigh
3137	0.395382	-0.276771	-0.937561	-1.953125	0.000000	0.000000	1.0	pointhigh
3138	0.393479	-0.278563	-0.937537	0.000000	-1.953125	-1.953125	1.0	pointhigh
3139	0.398587	-0.279638	-0.937522	0.000000	-1.953125	-3.906250	1.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3140	0.401652	-0.292783	-0.943763	1.953125	-1.953125	-5.859375	1.0	pointhigh
3141	0.434741	-0.369420	-0.985008	23.437500	-21.484375	-15.625000	1.0	pointhigh
3142	0.510845	-0.471652	-1.103505	78.125000	-66.406250	-66.406250	2.0	pointhigh
3143	0.575257	-0.526741	-1.212103	113.281250	-33.203125	-25.390625	2.0	pointhigh
3144	0.551404	-0.597295	-1.208512	95.703125	42.968750	-72.265625	2.0	pointhigh
3145	0.530842	-0.545877	-1.043857	56.640625	158.203125	-128.906250	2.0	pointhigh
3146	0.568505	-0.452526	-0.782564	9.765625	234.375000	-115.234375	2.0	pointhigh
3147	0.647353	-0.427766	-0.513289	-35.156250	226.562500	-128.906250	2.0	pointhigh
3148	0.707162	-0.375409	-0.220473	-50.781250	203.125000	-80.078125	2.0	pointhigh
3149	0.699297	-0.318996	-0.013534	-83.984375	183.593750	-44.921875	2.0	pointhigh
3150	0.550828	-0.285147	0.148130	-89.843750	109.375000	-31.250000	2.0	pointhigh
3151	0.474247	-0.364838	0.332628	-39.062500	27.343750	0.000000	2.0	pointhigh
3152	0.465798	-0.356403	0.505827	13.671875	7.812500	-5.859375	2.0	pointhigh
3153	0.473229	-0.326342	0.640996	-3.906250	0.000000	0.000000	2.0	pointhigh
3154	0.471437	-0.345805	0.709598	-7.812500	-1.953125	0.000000	2.0	pointhigh
3155	0.464112	-0.344983	0.750759	-1.953125	-7.812500	1.953125	2.0	pointhigh
3156	0.478467	-0.325740	0.775455	-1.953125	-7.812500	5.859375	2.0	pointhigh
3157	0.499580	-0.332944	0.790273	-5.859375	-3.906250	0.000000	2.0	pointhigh
3158	0.505998	-0.343516	0.799164	-1.953125	-1.953125	-1.953125	2.0	pointhigh
3159	0.509849	-0.343610	0.798248	-1.953125	-3.906250	0.000000	2.0	pointhigh
3160	0.512159	-0.343666	0.797699	0.000000	-1.953125	-1.953125	2.0	pointhigh
3161	0.519796	-0.349950	0.797369	0.000000	-1.953125	0.000000	2.0	pointhigh
3162	0.524377	-0.347470	0.797172	-3.906250	-1.953125	-3.906250	2.0	pointhigh
3163	0.527126	-0.352232	0.790803	-1.953125	-1.953125	-1.953125	2.0	pointhigh
3164	0.528776	-0.355089	0.793232	0.000000	-1.953125	0.000000	2.0	pointhigh
3165	0.317266	-0.213053	0.475939	0.000000	0.000000	0.000000	2.0	pointhigh
3166	0.402859	-0.259082	0.598063	0.000000	-1.953125	1.953125	2.0	pointhigh
3167	0.441716	-0.292949	0.665088	-1.953125	-5.859375	21.484375	2.0	pointhigh
3168	0.440029	-0.325770	0.699053	1.953125	-15.625000	44.921875	2.0	pointhigh
3169	0.395268	-0.364212	0.675682	15.625000	-39.062500	95.703125	2.0	pointhigh
3170	0.387161	-0.399777	0.605409	48.828125	-52.734375	68.359375	2.0	pointhigh
3171	0.413546	-0.383616	0.556995	27.343750	-93.750000	50.781250	2.0	pointhigh
3172	0.485628	-0.367670	0.534197	-11.718750	-105.468750	50.781250	2.0	pointhigh
3173	0.535127	-0.414352	0.464268	-72.265625	-126.953125	76.171875	2.0	pointhigh
3174	0.608576	-0.498611	0.316061	-95.703125	-128.906250	17.578125	2.0	pointhigh
3175	0.621396	-0.617917	0.077137	-111.328125	-111.328125	37.109375	2.0	pointhigh
3176	0.685337	-0.677000	-0.178718	-128.906250	-121.093750	31.250000	2.0	pointhigh
3177	0.642452	-0.706200	-0.413481	-101.562500	-89.843750	-1.953125	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3178	0.610471	-0.717470	-0.648088	-89.843750	-64.453125	0.000000	2.0	pointhigh
3179	0.616283	-0.611732	-0.813853	-54.687500	-60.546875	-78.125000	0.0	pointhigh
3180	0.613520	-0.523289	-0.919562	-33.203125	-29.296875	19.531250	0.0	pointhigh
3181	0.630612	-0.451474	-0.932987	25.390625	35.156250	-35.156250	0.0	pointhigh
3182	0.572117	-0.408384	-0.928542	1.953125	0.000000	-7.812500	0.0	pointhigh
3183	0.474520	-0.357530	-0.932125	0.000000	7.812500	-9.765625	0.0	pointhigh
3184	0.459712	-0.339518	-0.934275	-1.953125	1.953125	-5.859375	0.0	pointhigh
3185	0.463327	-0.316211	-0.923065	-3.906250	5.859375	13.671875	0.0	pointhigh
3186	0.440496	-0.320977	-0.916339	-1.953125	1.953125	13.671875	0.0	pointhigh
3187	0.377423	-0.272385	-0.943486	0.000000	-1.953125	-1.953125	1.0	pointhigh
3188	0.382704	-0.275931	-0.947341	1.953125	-3.906250	-1.953125	1.0	pointhigh
3189	0.385872	-0.278059	-0.943405	0.000000	0.000000	-3.906250	1.0	pointhigh
3190	0.381523	-0.279335	-0.947293	0.000000	0.000000	-1.953125	1.0	pointhigh
3191	0.385164	-0.286351	-0.955876	5.859375	-3.906250	-1.953125	1.0	pointhigh
3192	0.399848	-0.315561	-0.961025	13.671875	-5.859375	0.000000	1.0	pointhigh
3193	0.402409	-0.383086	-0.982865	29.296875	-11.718750	1.953125	1.0	pointhigh
3194	0.422695	-0.511102	-1.045969	62.500000	-29.296875	-27.343750	1.0	pointhigh
3195	0.453617	-0.600411	-1.096331	123.046875	-29.296875	-42.968750	2.0	pointhigh
3196	0.503420	-0.747747	-1.114049	136.718750	7.812500	-91.796875	2.0	pointhigh
3197	0.627052	-0.779898	-0.987179	134.765625	62.500000	-121.093750	2.0	pointhigh
3198	0.776231	-0.692939	-0.736058	78.125000	232.421875	-185.546875	2.0	pointhigh
3199	0.815739	-0.515763	-0.416635	-17.578125	248.046875	-218.750000	2.0	pointhigh
3200	0.683193	-0.309458	-0.199981	-148.437500	230.468750	-214.843750	2.0	pointhigh
3201	0.503666	-0.385675	-0.213738	-205.078125	64.453125	-58.593750	2.0	pointhigh
3202	0.495950	-0.543905	0.071757	-3.906250	23.437500	-25.390625	2.0	pointhigh
3203	0.416320	-0.382593	0.361804	33.203125	29.296875	-13.671875	2.0	pointhigh
3204	0.424792	-0.398306	0.548332	-1.953125	1.953125	-11.718750	2.0	pointhigh
3205	0.442375	-0.388983	0.660249	7.812500	-1.953125	0.000000	2.0	pointhigh
3206	0.465425	-0.370890	0.733650	5.859375	1.953125	-1.953125	2.0	pointhigh
3207	0.473005	-0.353784	0.783940	0.000000	-1.953125	0.000000	2.0	pointhigh
3208	0.477553	-0.343520	0.807864	1.953125	3.906250	3.906250	2.0	pointhigh
3209	0.461532	-0.324862	0.822218	0.000000	0.000000	3.906250	2.0	pointhigh
3210	0.470669	-0.313667	0.830831	1.953125	-5.859375	5.859375	2.0	pointhigh
3211	0.488651	-0.300700	0.842249	0.000000	-5.859375	1.953125	2.0	pointhigh
3212	0.493191	-0.299170	0.842849	-3.906250	-5.859375	0.000000	2.0	pointhigh
3213	0.489665	-0.298252	0.836959	0.000000	-1.953125	1.953125	2.0	pointhigh
3214	0.493799	-0.297701	0.839676	-1.953125	-1.953125	0.000000	2.0	pointhigh
3215	0.490029	-0.291121	0.841305	-3.906250	-5.859375	9.765625	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3216	0.487768	-0.293422	0.836033	-1.953125	0.000000	0.000000	2.0	pointhigh
3217	0.492661	-0.294803	0.839120	0.000000	-1.953125	0.000000	2.0	pointhigh
3218	0.495596	-0.295632	0.834722	1.953125	-1.953125	1.953125	2.0	pointhigh
3219	0.478608	-0.289879	0.825833	1.953125	-7.812500	21.484375	2.0	pointhigh
3220	0.480915	-0.336428	0.801750	0.000000	-25.390625	76.171875	2.0	pointhigh
3221	0.457299	-0.358107	0.781050	11.718750	-19.531250	60.546875	2.0	pointhigh
3222	0.449379	-0.364864	0.749880	19.531250	-33.203125	72.265625	2.0	pointhigh
3223	0.388378	-0.375168	0.668678	15.625000	-37.109375	97.656250	2.0	pointhigh
3224	0.308027	-0.412601	0.588707	-1.953125	-83.984375	76.171875	2.0	pointhigh
3225	0.259816	-0.422561	0.528224	-54.687500	-134.765625	91.796875	2.0	pointhigh
3226	0.212140	-0.416036	0.429434	-128.906250	-164.062500	68.359375	2.0	pointhigh
3227	0.202284	-0.549622	0.076411	-212.890625	-158.203125	72.265625	2.0	pointhigh
3228	0.352620	-0.698523	-0.397904	-203.125000	-197.265625	-25.390625	2.0	pointhigh
3229	0.549072	-0.819114	-0.838742	-197.265625	-85.937500	-50.781250	2.0	pointhigh
3230	0.829443	-1.091468	-1.053245	0.000000	33.203125	-166.015625	2.0	pointhigh
3231	0.735166	-0.698631	-0.994447	48.828125	-11.718750	-42.968750	2.0	pointhigh
3232	0.609850	-0.512929	-0.952918	-11.718750	33.203125	15.625000	2.0	pointhigh
3233	0.490910	-0.426507	-0.934251	-25.390625	7.812500	-23.437500	2.0	pointhigh
3234	0.469546	-0.405904	-0.941801	-31.250000	-19.531250	-7.812500	2.0	pointhigh
3235	0.481728	-0.381043	-0.946330	-9.765625	-9.765625	-5.859375	2.0	pointhigh
3236	0.482787	-0.359876	-0.930298	3.906250	3.906250	13.671875	0.0	pointhigh
3237	0.470922	-0.334675	-0.926929	0.000000	1.953125	1.953125	0.0	pointhigh
3238	0.457553	-0.313305	-0.924907	0.000000	0.000000	-1.953125	0.0	pointhigh
3239	0.449532	-0.300483	-0.917444	-1.953125	-1.953125	0.000000	0.0	pointhigh
3240	0.438469	-0.305290	-0.919217	0.000000	-1.953125	0.000000	0.0	pointhigh
3241	0.431254	-0.277901	-0.921723	0.000000	0.000000	0.000000	1.0	pointhigh
3242	0.433752	-0.272991	-0.921784	0.000000	0.000000	1.953125	1.0	pointhigh
3243	0.435251	-0.282544	-0.921820	-1.953125	0.000000	1.953125	1.0	pointhigh
3244	0.436151	-0.288277	-0.921842	0.000000	0.000000	-1.953125	1.0	pointhigh
3245	0.436690	-0.285466	-0.921855	0.000000	0.000000	-3.906250	1.0	pointhigh
3246	0.443264	-0.296280	-0.928113	3.906250	-1.953125	-5.859375	1.0	pointhigh
3247	0.472209	-0.352768	-0.950618	21.484375	-13.671875	-5.859375	1.0	pointhigh
3248	0.570825	-0.461661	-1.057871	68.359375	-31.250000	-46.875000	1.0	pointhigh
3249	0.642495	-0.558246	-1.140972	132.812500	0.000000	-29.296875	2.0	pointhigh
3250	0.666747	-0.666198	-1.178333	140.625000	13.671875	-60.546875	2.0	pointhigh
3251	0.706298	-0.624719	-1.050750	97.656250	125.000000	-126.953125	2.0	pointhigh
3252	0.786279	-0.524831	-0.805450	1.953125	226.562500	-125.000000	2.0	pointhigh
3253	0.859267	-0.452399	-0.527020	-107.421875	248.046875	-214.843750	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3254	0.590560	-0.371439	-0.409962	-121.093750	248.046875	-173.828125	2.0	pointhigh
3255	0.304336	-0.547864	-0.208477	-203.125000	78.125000	-3.906250	2.0	pointhigh
3256	0.363852	-0.534968	0.137414	11.718750	1.953125	-44.921875	2.0	pointhigh
3257	0.380811	-0.439731	0.413698	23.437500	5.859375	29.296875	2.0	pointhigh
3258	0.378487	-0.407589	0.591969	3.906250	-5.859375	-9.765625	2.0	pointhigh
3259	0.389592	-0.394553	0.686431	-3.906250	0.000000	-1.953125	2.0	pointhigh
3260	0.396255	-0.392982	0.743109	-5.859375	-7.812500	7.812500	2.0	pointhigh
3261	0.406503	-0.385789	0.783365	-1.953125	-5.859375	-1.953125	2.0	pointhigh
3262	0.418902	-0.375223	0.795019	-1.953125	0.000000	-3.906250	2.0	pointhigh
3263	0.413841	-0.375134	0.808262	-5.859375	-5.859375	-5.859375	2.0	pointhigh
3264	0.429555	-0.381330	0.816207	0.000000	-1.953125	-3.906250	2.0	pointhigh
3265	0.426483	-0.385048	0.820974	0.000000	-1.953125	-3.906250	2.0	pointhigh
3266	0.424640	-0.393529	0.823834	0.000000	0.000000	0.000000	2.0	pointhigh
3267	0.429784	-0.386117	0.825551	1.953125	0.000000	-1.953125	2.0	pointhigh
3268	0.432870	-0.387920	0.820330	0.000000	-1.953125	-3.906250	2.0	pointhigh
3269	0.440972	-0.389002	0.817198	1.953125	0.000000	-1.953125	2.0	pointhigh
3270	0.439583	-0.377151	0.815319	0.000000	-3.906250	1.953125	2.0	pointhigh
3271	0.426250	-0.363791	0.801691	0.000000	-5.859375	9.765625	2.0	pointhigh
3272	0.368250	-0.374524	0.749765	-5.859375	-27.343750	62.500000	2.0	pointhigh
3273	0.339700	-0.405965	0.693609	9.765625	-56.640625	46.875000	2.0	pointhigh
3274	0.335070	-0.374829	0.609915	5.859375	-91.796875	52.734375	2.0	pointhigh
3275	0.394792	-0.399897	0.515949	-31.250000	-142.578125	11.718750	2.0	pointhigh
3276	0.486875	-0.383688	0.409570	-52.734375	-152.343750	3.906250	2.0	pointhigh
3277	0.535875	-0.442713	0.176992	-107.421875	-160.156250	31.250000	2.0	pointhigh
3278	0.502775	-0.553128	-0.162555	-132.812500	-181.640625	39.062500	2.0	pointhigh
3279	0.532915	-0.631877	-0.566283	-123.046875	-197.265625	-9.765625	2.0	pointhigh
3280	0.613499	-0.629126	-0.858520	-103.515625	-162.109375	13.671875	0.0	pointhigh
3281	1.061849	-0.821226	-1.121362	-11.718750	89.843750	-83.984375	0.0	pointhigh
3282	0.849610	-0.680235	-1.022817	39.062500	-3.906250	-31.250000	0.0	pointhigh
3283	0.697266	-0.470641	-1.001190	13.671875	-7.812500	-93.750000	0.0	pointhigh
3284	0.524609	-0.382385	-0.963214	-29.296875	29.296875	19.531250	0.0	pointhigh
3285	0.377423	-0.272385	-0.943486	0.000000	-1.953125	-1.953125	1.0	pointhigh
3286	0.382704	-0.275931	-0.947341	1.953125	-3.906250	-1.953125	1.0	pointhigh
3287	0.385872	-0.278059	-0.943405	0.000000	0.000000	-3.906250	1.0	pointhigh
3288	0.381523	-0.279335	-0.947293	0.000000	0.000000	-1.953125	1.0	pointhigh
3289	0.385164	-0.286351	-0.955876	5.859375	-3.906250	-1.953125	1.0	pointhigh
3290	0.399848	-0.315561	-0.961025	13.671875	-5.859375	0.000000	1.0	pointhigh
3291	0.402409	-0.383086	-0.982865	29.296875	-11.718750	1.953125	1.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3292	0.422695	-0.511102	-1.045969	62.500000	-29.296875	-27.343750	1.0	pointhigh
3293	0.453617	-0.600411	-1.096331	123.046875	-29.296875	-42.968750	2.0	pointhigh
3294	0.503420	-0.747747	-1.114049	136.718750	7.812500	-91.796875	2.0	pointhigh
3295	0.627052	-0.779898	-0.987179	134.765625	62.500000	-121.093750	2.0	pointhigh
3296	0.776231	-0.692939	-0.736058	78.125000	232.421875	-185.546875	2.0	pointhigh
3297	0.815739	-0.515763	-0.416635	-17.578125	248.046875	-218.750000	2.0	pointhigh
3298	0.683193	-0.309458	-0.199981	-148.437500	230.468750	-214.843750	2.0	pointhigh
3299	0.503666	-0.385675	-0.213738	-205.078125	64.453125	-58.593750	2.0	pointhigh
3300	0.495950	-0.543905	0.071757	-3.906250	23.437500	-25.390625	2.0	pointhigh
3301	0.416320	-0.382593	0.361804	33.203125	29.296875	-13.671875	2.0	pointhigh
3302	0.424792	-0.398306	0.548332	-1.953125	1.953125	-11.718750	2.0	pointhigh
3303	0.442375	-0.388983	0.660249	7.812500	-1.953125	0.000000	2.0	pointhigh
3304	0.465425	-0.370890	0.733650	5.859375	1.953125	-1.953125	2.0	pointhigh
3305	0.473005	-0.353784	0.783940	0.000000	-1.953125	0.000000	2.0	pointhigh
3306	0.477553	-0.343520	0.807864	1.953125	3.906250	3.906250	2.0	pointhigh
3307	0.461532	-0.324862	0.822218	0.000000	0.000000	3.906250	2.0	pointhigh
3308	0.470669	-0.313667	0.830831	1.953125	-5.859375	5.859375	2.0	pointhigh
3309	0.488651	-0.300700	0.842249	0.000000	-5.859375	1.953125	2.0	pointhigh
3310	0.493191	-0.299170	0.842849	-3.906250	-5.859375	0.000000	2.0	pointhigh
3311	0.489665	-0.298252	0.836959	0.000000	-1.953125	1.953125	2.0	pointhigh
3312	0.493799	-0.297701	0.839676	-1.953125	-1.953125	0.000000	2.0	pointhigh
3313	0.490029	-0.291121	0.841305	-3.906250	-5.859375	9.765625	2.0	pointhigh
3314	0.487768	-0.293422	0.836033	-1.953125	0.000000	0.000000	2.0	pointhigh
3315	0.492661	-0.294803	0.839120	0.000000	-1.953125	0.000000	2.0	pointhigh
3316	0.495596	-0.295632	0.834722	1.953125	-1.953125	1.953125	2.0	pointhigh
3317	0.478608	-0.289879	0.825833	1.953125	-7.812500	21.484375	2.0	pointhigh
3318	0.480915	-0.336428	0.801750	0.000000	-25.390625	76.171875	2.0	pointhigh
3319	0.457299	-0.358107	0.781050	11.718750	-19.531250	60.546875	2.0	pointhigh
3320	0.449379	-0.364864	0.749880	19.531250	-33.203125	72.265625	2.0	pointhigh
3321	0.388378	-0.375168	0.668678	15.625000	-37.109375	97.656250	2.0	pointhigh
3322	0.308027	-0.412601	0.588707	-1.953125	-83.984375	76.171875	2.0	pointhigh
3323	0.259816	-0.422561	0.528224	-54.687500	-134.765625	91.796875	2.0	pointhigh
3324	0.212140	-0.416036	0.429434	-128.906250	-164.062500	68.359375	2.0	pointhigh
3325	0.202284	-0.549622	0.076411	-212.890625	-158.203125	72.265625	2.0	pointhigh
3326	0.352620	-0.698523	-0.397904	-203.125000	-197.265625	-25.390625	2.0	pointhigh
3327	0.549072	-0.819114	-0.838742	-197.265625	-85.937500	-50.781250	2.0	pointhigh
3328	0.829443	-1.091468	-1.053245	0.000000	33.203125	-166.015625	2.0	pointhigh
3329	0.735166	-0.698631	-0.994447	48.828125	-11.718750	-42.968750	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3330	0.609850	-0.512929	-0.952918	-11.718750	33.203125	15.625000	2.0	pointhigh
3331	0.490910	-0.426507	-0.934251	-25.390625	7.812500	-23.437500	2.0	pointhigh
3332	0.469546	-0.405904	-0.941801	-31.250000	-19.531250	-7.812500	2.0	pointhigh
3333	0.481728	-0.381043	-0.946330	-9.765625	-9.765625	-5.859375	2.0	pointhigh
3334	0.482787	-0.359876	-0.930298	3.906250	3.906250	13.671875	0.0	pointhigh
3335	0.470922	-0.334675	-0.926929	0.000000	1.953125	1.953125	0.0	pointhigh
3336	0.457553	-0.313305	-0.924907	0.000000	0.000000	-1.953125	0.0	pointhigh
3337	0.449532	-0.300483	-0.917444	-1.953125	-1.953125	0.000000	0.0	pointhigh
3338	0.438469	-0.305290	-0.919217	0.000000	-1.953125	0.000000	0.0	pointhigh
3339	0.438081	-0.301924	-0.914030	-1.953125	-1.953125	-3.906250	0.0	pointhigh
3340	0.437849	-0.306154	-0.917168	0.000000	-1.953125	-5.859375	0.0	pointhigh
3341	0.437709	-0.296193	-0.912801	0.000000	-3.906250	-7.812500	0.0	pointhigh
3342	0.431254	-0.277901	-0.921723	0.000000	0.000000	0.000000	1.0	pointhigh
3343	0.433752	-0.272991	-0.921784	0.000000	0.000000	1.953125	1.0	pointhigh
3344	0.435251	-0.282544	-0.921820	-1.953125	0.000000	1.953125	1.0	pointhigh
3345	0.436151	-0.288277	-0.921842	0.000000	0.000000	-1.953125	1.0	pointhigh
3346	0.436690	-0.285466	-0.921855	0.000000	0.000000	-3.906250	1.0	pointhigh
3347	0.443264	-0.296280	-0.928113	3.906250	-1.953125	-5.859375	1.0	pointhigh
3348	0.472209	-0.352768	-0.950618	21.484375	-13.671875	-5.859375	1.0	pointhigh
3349	0.570825	-0.461661	-1.057871	68.359375	-31.250000	-46.875000	1.0	pointhigh
3350	0.642495	-0.558246	-1.140972	132.812500	0.000000	-29.296875	2.0	pointhigh
3351	0.666747	-0.666198	-1.178333	140.625000	13.671875	-60.546875	2.0	pointhigh
3352	0.706298	-0.624719	-1.050750	97.656250	125.000000	-126.953125	2.0	pointhigh
3353	0.786279	-0.524831	-0.805450	1.953125	226.562500	-125.000000	2.0	pointhigh
3354	0.859267	-0.452399	-0.527020	-107.421875	248.046875	-214.843750	2.0	pointhigh
3355	0.590560	-0.371439	-0.409962	-121.093750	248.046875	-173.828125	2.0	pointhigh
3356	0.304336	-0.547864	-0.208477	-203.125000	78.125000	-3.906250	2.0	pointhigh
3357	0.363852	-0.534968	0.137414	11.718750	1.953125	-44.921875	2.0	pointhigh
3358	0.380811	-0.439731	0.413698	23.437500	5.859375	29.296875	2.0	pointhigh
3359	0.378487	-0.407589	0.591969	3.906250	-5.859375	-9.765625	2.0	pointhigh
3360	0.389592	-0.394553	0.686431	-3.906250	0.000000	-1.953125	2.0	pointhigh
3361	0.396255	-0.392982	0.743109	-5.859375	-7.812500	7.812500	2.0	pointhigh
3362	0.406503	-0.385789	0.783365	-1.953125	-5.859375	-1.953125	2.0	pointhigh
3363	0.418902	-0.375223	0.795019	-1.953125	0.000000	-3.906250	2.0	pointhigh
3364	0.413841	-0.375134	0.808262	-5.859375	-5.859375	-5.859375	2.0	pointhigh
3365	0.429555	-0.381330	0.816207	0.000000	-1.953125	-3.906250	2.0	pointhigh
3366	0.426483	-0.385048	0.820974	0.000000	-1.953125	-3.906250	2.0	pointhigh
3367	0.424640	-0.393529	0.823834	0.000000	0.000000	0.000000	2.0	pointhigh

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3368	0.429784	-0.386117	0.825551	1.953125	0.000000	-1.953125	2.0	pointhigh
3369	0.432870	-0.387920	0.820330	0.000000	-1.953125	-3.906250	2.0	pointhigh
3370	0.440972	-0.389002	0.817198	1.953125	0.000000	-1.953125	2.0	pointhigh
3371	0.439583	-0.377151	0.815319	0.000000	-3.906250	1.953125	2.0	pointhigh
3372	0.426250	-0.363791	0.801691	0.000000	-5.859375	9.765625	2.0	pointhigh
3373	0.368250	-0.374524	0.749765	-5.859375	-27.343750	62.500000	2.0	pointhigh
3374	0.339700	-0.405965	0.693609	9.765625	-56.640625	46.875000	2.0	pointhigh
3375	0.335070	-0.374829	0.609915	5.859375	-91.796875	52.734375	2.0	pointhigh
3376	0.394792	-0.399897	0.515949	-31.250000	-142.578125	11.718750	2.0	pointhigh
3377	0.486875	-0.383688	0.409570	-52.734375	-152.343750	3.906250	2.0	pointhigh
3378	0.535875	-0.442713	0.176992	-107.421875	-160.156250	31.250000	2.0	pointhigh
3379	0.502775	-0.553128	-0.162555	-132.812500	-181.640625	39.062500	2.0	pointhigh
3380	0.532915	-0.631877	-0.566283	-123.046875	-197.265625	-9.765625	2.0	pointhigh
3381	0.613499	-0.629126	-0.858520	-103.515625	-162.109375	13.671875	0.0	pointhigh
3382	1.061849	-0.821226	-1.121362	-11.718750	89.843750	-83.984375	0.0	pointhigh
3383	0.849610	-0.680235	-1.022817	39.062500	-3.906250	-31.250000	0.0	pointhigh
3384	0.697266	-0.470641	-1.001190	13.671875	-7.812500	-93.750000	0.0	pointhigh
3385	0.524609	-0.382385	-0.963214	-29.296875	29.296875	19.531250	0.0	pointhigh
3386	0.458516	-0.373181	-0.952928	-19.531250	-15.625000	-9.765625	0.0	pointhigh
3387	0.500109	-0.336409	-0.953007	3.906250	-15.625000	-23.437500	0.0	pointhigh
3388	0.500066	-0.308095	-0.928054	-1.953125	0.000000	5.859375	0.0	pointhigh
3389	0.336235	-0.178576	-0.984744	0.000000	0.000000	-1.953125	1.0	sidepump
3390	0.332991	-0.175896	-0.984596	0.000000	0.000000	-1.953125	1.0	sidepump
3391	0.337295	-0.174287	-0.984508	0.000000	0.000000	0.000000	1.0	sidepump
3392	0.339877	-0.173322	-0.984455	0.000000	0.000000	0.000000	1.0	sidepump
3393	0.341426	-0.172743	-0.984423	0.000000	0.000000	0.000000	1.0	sidepump
3394	0.342356	-0.178646	-0.984404	0.000000	0.000000	-1.953125	1.0	sidepump
3395	0.342913	-0.175938	-0.984392	1.953125	0.000000	-1.953125	1.0	sidepump
3396	0.436998	-0.199313	-1.003135	13.671875	-11.718750	-50.781250	1.0	sidepump
3397	0.624699	-0.132088	-1.139381	7.812500	-17.578125	-107.421875	2.0	sidepump
3398	0.649819	-0.123003	-1.252379	17.578125	1.953125	54.687500	2.0	sidepump
3399	0.458642	-0.230052	-1.182677	0.000000	70.312500	-33.203125	2.0	sidepump
3400	0.081435	-0.356781	-0.853356	-11.718750	62.500000	-146.484375	2.0	sidepump
3401	-0.169889	-0.514069	-0.599514	97.656250	-91.796875	-60.546875	2.0	sidepump
3402	-0.208183	-0.708441	-0.772208	210.937500	-173.828125	-33.203125	2.0	sidepump
3403	-0.324910	-1.025065	-1.025825	248.046875	-197.265625	-56.640625	2.0	sidepump
3404	-0.513696	-1.202539	-1.190495	248.046875	-207.031250	-42.968750	2.0	sidepump
3405	-0.476968	-1.034023	-1.183047	181.640625	-210.937500	-29.296875	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3406	-0.079931	-0.789164	-0.834828	29.296875	-87.890625	-23.437500	2.0	sidepump
3407	-0.041708	-0.785998	-0.363397	1.953125	21.484375	9.765625	2.0	sidepump
3408	-0.081275	-0.834099	-0.049288	1.953125	-7.812500	21.484375	2.0	sidepump
3409	0.001235	-0.887959	0.082927	-15.625000	0.000000	-7.812500	2.0	sidepump
3410	-0.030509	-0.920276	0.193506	0.000000	11.718750	-3.906250	2.0	sidepump
3411	-0.037055	-0.902165	0.259854	1.953125	-1.953125	0.000000	2.0	sidepump
3412	-0.028483	-0.910049	0.287162	-1.953125	3.906250	-1.953125	2.0	sidepump
3413	-0.029590	-0.927280	0.309797	0.000000	5.859375	-3.906250	2.0	sidepump
3414	-0.030254	-0.912618	0.317128	-3.906250	5.859375	-3.906250	2.0	sidepump
3415	-0.018152	-0.872571	0.284027	-23.437500	11.718750	-3.906250	2.0	sidepump
3416	-0.004641	-0.804792	0.176666	-50.781250	46.875000	1.953125	2.0	sidepump
3417	-0.015285	-0.689125	0.024750	-111.328125	80.078125	35.156250	2.0	sidepump
3418	-0.077921	-0.669725	-0.216400	-181.640625	173.828125	-11.718750	2.0	sidepump
3419	-0.109253	-0.808085	-0.567340	-179.687500	226.562500	27.343750	2.0	sidepump
3420	-0.146802	-0.766101	-0.796654	-197.265625	171.875000	72.265625	2.0	sidepump
3421	-0.081831	-0.672161	-1.002992	-201.171875	115.234375	134.765625	2.0	sidepump
3422	-0.017849	-0.697046	-1.145545	-203.125000	119.140625	48.828125	2.0	sidepump
3423	0.064291	-0.618228	-1.087327	15.625000	-31.250000	58.593750	2.0	sidepump
3424	0.182325	-0.420937	-1.033646	76.171875	-41.015625	64.453125	2.0	sidepump
3425	0.365645	-0.327562	-1.038938	15.625000	11.718750	-5.859375	2.0	sidepump
3426	0.431887	-0.209037	-0.979613	11.718750	11.718750	-3.906250	2.0	sidepump
3427	0.421632	-0.206672	-0.975268	-5.859375	-11.718750	15.625000	0.0	sidepump
3428	0.390479	-0.224003	-0.972661	-5.859375	-7.812500	5.859375	0.0	sidepump
3429	0.390538	-0.221902	-0.971096	5.859375	1.953125	-9.765625	0.0	sidepump
3430	0.403073	-0.201891	-0.957658	3.906250	0.000000	-7.812500	0.0	sidepump
3431	0.404344	-0.202385	-0.955845	-1.953125	-1.953125	0.000000	0.0	sidepump
3432	0.390855	-0.216108	-0.953171	0.000000	0.000000	0.000000	1.0	sidepump
3433	0.390763	-0.217165	-0.953152	-1.953125	0.000000	0.000000	1.0	sidepump
3434	0.390708	-0.217799	-0.953141	0.000000	0.000000	0.000000	1.0	sidepump
3435	0.396925	-0.218179	-0.953135	0.000000	0.000000	0.000000	1.0	sidepump
3436	0.394405	-0.218408	-0.953131	0.000000	-1.953125	-1.953125	1.0	sidepump
3437	0.399143	-0.218545	-0.953129	0.000000	-1.953125	-1.953125	1.0	sidepump
3438	0.426986	-0.243627	-0.965627	9.765625	-5.859375	-13.671875	1.0	sidepump
3439	0.537441	-0.239926	-1.023126	19.531250	-68.359375	-25.390625	1.0	sidepump
3440	0.647465	-0.231456	-1.195126	17.578125	-46.875000	-5.859375	2.0	sidepump
3441	0.519729	-0.226373	-1.204575	17.578125	21.484375	-25.390625	2.0	sidepump
3442	0.305587	-0.285824	-1.016495	-23.437500	62.500000	-64.453125	2.0	sidepump
3443	0.083352	-0.427744	-0.703647	1.953125	42.968750	-107.421875	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3444	-0.074989	-0.587897	-0.534688	117.187500	-85.937500	-56.640625	2.0	sidepump
3445	-0.201243	-0.821488	-0.652063	222.656250	-195.312500	-13.671875	2.0	sidepump
3446	-0.408246	-1.192893	-0.947488	248.046875	-224.609375	3.906250	2.0	sidepump
3447	-0.476198	-1.303236	-1.174743	248.046875	-210.937500	-13.671875	2.0	sidepump
3448	-0.254469	-1.006941	-1.029846	115.234375	-169.921875	7.812500	2.0	sidepump
3449	0.003569	-0.866665	-0.592907	15.625000	-64.453125	9.765625	2.0	sidepump
3450	0.052141	-0.832499	-0.218244	11.718750	-1.953125	15.625000	2.0	sidepump
3451	0.043785	-0.855749	0.050303	3.906250	0.000000	5.859375	2.0	sidepump
3452	0.051271	-0.850950	0.205182	-1.953125	-3.906250	-3.906250	2.0	sidepump
3453	0.037013	-0.879320	0.304359	0.000000	0.000000	1.953125	2.0	sidepump
3454	0.034708	-0.877592	0.357616	-1.953125	1.953125	-1.953125	2.0	sidepump
3455	0.027075	-0.876555	0.383319	-1.953125	3.906250	0.000000	2.0	sidepump
3456	0.022495	-0.875933	0.398742	-3.906250	3.906250	1.953125	2.0	sidepump
3457	0.025997	-0.881810	0.414245	-5.859375	5.859375	0.000000	2.0	sidepump
3458	0.028098	-0.879086	0.417297	-5.859375	3.906250	0.000000	2.0	sidepump
3459	0.016859	-0.871202	0.406628	-7.812500	5.859375	0.000000	2.0	sidepump
3460	0.022615	-0.860221	0.387727	-17.578125	13.671875	1.953125	2.0	sidepump
3461	0.026069	-0.841133	0.326386	-44.921875	21.484375	7.812500	2.0	sidepump
3462	0.040642	-0.817180	0.195832	-66.406250	83.984375	13.671875	2.0	sidepump
3463	0.005635	-0.802808	0.029999	-123.046875	125.000000	13.671875	2.0	sidepump
3464	-0.115369	-0.769185	-0.232001	-148.437500	177.734375	19.531250	2.0	sidepump
3465	-0.169221	-0.749011	-0.514200	-183.593750	173.828125	19.531250	2.0	sidepump
3466	-0.195283	-0.711906	-0.733520	-185.546875	154.296875	11.718750	2.0	sidepump
3467	-0.179670	-0.639644	-0.927612	-160.156250	99.609375	144.531250	0.0	sidepump
3468	-0.095302	-0.696286	-1.031567	-132.812500	35.156250	70.312500	0.0	sidepump
3469	0.024069	-0.617772	-1.031440	21.484375	-7.812500	1.953125	0.0	sidepump
3470	0.239441	-0.401913	-0.987614	58.593750	78.125000	-46.875000	0.0	sidepump
3471	0.324915	-0.297398	-0.961319	-5.859375	-9.765625	-3.906250	0.0	sidepump
3472	0.421109	-0.187903	-0.953254	1.953125	-1.953125	1.953125	1.0	sidepump
3473	0.471415	-0.206492	-0.978203	13.671875	-25.390625	-13.671875	1.0	sidepump
3474	0.589099	-0.192645	-1.099422	-11.718750	-70.312500	-1.953125	1.0	sidepump
3475	0.597210	-0.153087	-1.209653	17.578125	-13.671875	15.625000	0.0	sidepump
3476	0.495826	-0.148102	-1.182042	-15.625000	58.593750	-31.250000	1.0	sidepump
3477	0.247495	-0.276361	-0.977975	-60.546875	76.171875	-60.546875	1.0	sidepump
3478	-0.032753	-0.515817	-0.711785	33.203125	-27.343750	-78.125000	0.0	sidepump
3479	-0.182152	-0.703240	-0.670821	195.312500	-128.906250	-50.781250	0.0	sidepump
3480	-0.396791	-0.990694	-0.946243	248.046875	-218.750000	-46.875000	2.0	sidepump
3481	-0.544325	-1.206916	-1.361496	248.046875	-244.140625	-68.359375	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3482	-0.395345	-0.955400	-1.410647	207.031250	-156.250000	-39.062500	2.0	sidepump
3483	-0.062207	-0.735740	-0.996388	58.593750	-68.359375	0.000000	2.0	sidepump
3484	0.000176	-0.735194	-0.479083	29.296875	3.906250	13.671875	2.0	sidepump
3485	-0.031144	-0.772366	-0.118700	19.531250	7.812500	25.390625	2.0	sidepump
3486	-0.012437	-0.813420	0.097530	-5.859375	-7.812500	0.000000	2.0	sidepump
3487	-0.001212	-0.856802	0.208518	-3.906250	-1.953125	1.953125	2.0	sidepump
3488	-0.000727	-0.882831	0.275111	3.906250	1.953125	5.859375	2.0	sidepump
3489	-0.006686	-0.898449	0.315067	1.953125	-1.953125	0.000000	2.0	sidepump
3490	0.002238	-0.901569	0.332790	1.953125	0.000000	0.000000	2.0	sidepump
3491	-0.004907	-0.903442	0.349674	1.953125	3.906250	0.000000	2.0	sidepump
3492	-0.015444	-0.904565	0.372304	0.000000	-1.953125	0.000000	2.0	sidepump
3493	-0.015517	-0.892739	0.379633	0.000000	0.000000	-3.906250	2.0	sidepump
3494	-0.015560	-0.898143	0.384030	-1.953125	1.953125	-3.906250	2.0	sidepump
3495	-0.021836	-0.895136	0.392918	-1.953125	1.953125	-3.906250	2.0	sidepump
3496	-0.013102	-0.862082	0.379501	-11.718750	5.859375	-1.953125	2.0	sidepump
3497	0.004639	-0.810999	0.321450	-39.062500	17.578125	13.671875	2.0	sidepump
3498	-0.009717	-0.730349	0.192870	-76.171875	58.593750	13.671875	2.0	sidepump
3499	0.000420	-0.669460	-0.015528	-152.343750	119.140625	5.859375	2.0	sidepump
3500	-0.043498	-0.695426	-0.334317	-197.265625	191.406250	17.578125	2.0	sidepump
3501	-0.101099	-0.642255	-0.706840	-250.000000	220.703125	-72.265625	2.0	sidepump
3502	-0.110659	-0.491603	-1.199104	-250.000000	144.531250	238.281250	2.0	sidepump
3503	-0.122646	-0.732462	-1.263212	-210.937500	97.656250	107.421875	2.0	sidepump
3504	0.032663	-0.645727	-1.195427	42.968750	-17.578125	25.390625	2.0	sidepump
3505	0.082098	-0.443686	-1.067256	44.921875	-9.765625	42.968750	2.0	sidepump
3506	0.155509	-0.384962	-1.015354	5.859375	-27.343750	17.578125	2.0	sidepump
3507	0.487055	-0.280977	-0.934212	46.875000	85.937500	-9.765625	2.0	sidepump
3508	0.485983	-0.256086	-0.929277	-7.812500	-39.062500	-11.718750	2.0	sidepump
3509	0.422840	-0.234902	-0.938816	1.953125	-3.906250	-19.531250	0.0	sidepump
3510	0.422454	-0.247191	-0.950790	0.000000	5.859375	-5.859375	0.0	sidepump
3511	0.453472	-0.229565	-0.932974	0.000000	5.859375	0.000000	0.0	sidepump
3512	0.447083	-0.231489	-0.934784	1.953125	-5.859375	-5.859375	0.0	sidepump
3513	0.437000	-0.226393	-0.935871	0.000000	0.000000	0.000000	0.0	sidepump
3514	0.441070	-0.231502	-0.926913	0.000000	-1.953125	-1.953125	0.0	sidepump
3515	0.439642	-0.232651	-0.931148	0.000000	0.000000	0.000000	0.0	sidepump
3516	0.445035	-0.239591	-0.927439	0.000000	-1.953125	0.000000	0.0	sidepump
3517	0.442021	-0.243754	-0.931463	0.000000	-1.953125	-1.953125	0.0	sidepump
3518	0.446463	-0.240003	-0.933878	0.000000	0.000000	0.000000	1.0	sidepump
3519	0.455378	-0.244002	-0.941577	3.906250	-5.859375	-1.953125	1.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3520	0.510727	-0.246401	-0.952446	11.718750	-35.156250	-17.578125	1.0	sidepump
3521	0.606436	-0.210341	-1.008968	9.765625	-31.250000	-1.953125	1.0	sidepump
3522	0.645112	-0.232454	-1.142881	9.765625	-19.531250	-1.953125	2.0	sidepump
3523	0.530817	-0.289473	-1.154478	7.812500	42.968750	-19.531250	2.0	sidepump
3524	0.274740	-0.342434	-0.930187	-31.250000	37.109375	-58.593750	2.0	sidepump
3525	0.064844	-0.467960	-0.658112	-9.765625	-42.968750	-80.078125	2.0	sidepump
3526	-0.129844	-0.637026	-0.576117	130.859375	-166.015625	0.000000	2.0	sidepump
3527	-0.421656	-0.944716	-0.776920	226.562500	-246.093750	9.765625	2.0	sidepump
3528	-0.809244	-1.191829	-1.184902	248.046875	-250.000000	-15.625000	2.0	sidepump
3529	-0.741796	-1.046348	-1.335941	162.109375	-250.000000	-60.546875	2.0	sidepump
3530	-0.382578	-0.752809	-0.970315	54.687500	-121.093750	-37.109375	2.0	sidepump
3531	-0.223297	-0.664185	-0.463439	17.578125	-1.953125	5.859375	2.0	sidepump
3532	-0.196478	-0.736011	-0.090563	11.718750	7.812500	19.531250	2.0	sidepump
3533	-0.186637	-0.810357	0.133162	-1.953125	-9.765625	-1.953125	2.0	sidepump
3534	-0.155732	-0.829964	0.248647	0.000000	-7.812500	-5.859375	2.0	sidepump
3535	-0.155939	-0.829228	0.324188	1.953125	-1.953125	0.000000	2.0	sidepump
3536	-0.156064	-0.841287	0.382013	1.953125	0.000000	1.953125	2.0	sidepump
3537	-0.143638	-0.854772	0.404208	1.953125	0.000000	1.953125	2.0	sidepump
3538	-0.136183	-0.844113	0.417525	-1.953125	1.953125	0.000000	2.0	sidepump
3539	-0.150460	-0.850218	0.431765	-3.906250	7.812500	-1.953125	2.0	sidepump
3540	-0.140276	-0.816381	0.415309	-13.671875	9.765625	1.953125	2.0	sidepump
3541	-0.121666	-0.764828	0.361685	-44.921875	27.343750	7.812500	2.0	sidepump
3542	-0.135499	-0.721397	0.242011	-70.312500	72.265625	19.531250	2.0	sidepump
3543	-0.206300	-0.676588	0.088957	-97.656250	113.281250	60.546875	2.0	sidepump
3544	-0.355030	-0.774703	-0.109126	-89.843750	201.171875	9.765625	2.0	sidepump
3545	-0.356768	-0.821072	-0.365476	-80.078125	228.515625	-11.718750	2.0	sidepump
3546	-0.382811	-0.742643	-0.556785	-134.765625	201.171875	1.953125	2.0	sidepump
3547	-0.267186	-0.701836	-0.765321	-146.484375	134.765625	-9.765625	2.0	sidepump
3548	-0.104062	-0.627352	-0.921693	-138.671875	60.546875	1.953125	0.0	sidepump
3549	0.056313	-0.607661	-0.984266	-46.875000	17.578125	62.500000	0.0	sidepump
3550	0.208788	-0.483347	-0.971809	35.156250	35.156250	-25.390625	0.0	sidepump
3551	0.287773	-0.327508	-0.951836	17.578125	5.859375	-5.859375	0.0	sidepump
3552	0.347664	-0.265255	-0.952351	1.953125	1.953125	1.953125	0.0	sidepump
3553	0.468588	-0.187568	-0.937468	0.000000	-1.953125	-1.953125	1.0	sidepump
3554	0.468653	-0.187541	-0.937481	0.000000	-1.953125	-1.953125	1.0	sidepump
3555	0.468692	-0.187524	-0.937489	0.000000	-1.953125	-1.953125	1.0	sidepump
3556	0.474965	-0.181265	-0.931243	-1.953125	0.000000	1.953125	1.0	sidepump
3557	0.472479	-0.183759	-0.933746	0.000000	-1.953125	1.953125	1.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3558	0.477237	-0.172755	-0.935248	0.000000	-5.859375	11.718750	1.0	sidepump
3559	0.536342	-0.134903	-0.954899	-5.859375	-27.343750	54.687500	1.0	sidepump
3560	0.603055	-0.243442	-1.035439	0.000000	-39.062500	-1.953125	1.0	sidepump
3561	0.618083	-0.227315	-1.146263	31.250000	-15.625000	-46.875000	2.0	sidepump
3562	0.595850	-0.248889	-1.112758	7.812500	46.875000	-31.250000	2.0	sidepump
3563	0.270010	-0.424333	-0.842655	7.812500	72.265625	-105.468750	2.0	sidepump
3564	-0.056744	-0.642100	-0.568093	101.562500	-97.656250	-33.203125	2.0	sidepump
3565	-0.259046	-0.885260	-0.672106	222.656250	-210.937500	-13.671875	2.0	sidepump
3566	-0.474178	-1.199906	-1.040763	248.046875	-248.046875	-31.250000	2.0	sidepump
3567	-0.447007	-1.194944	-1.286958	232.421875	-208.984375	-46.875000	2.0	sidepump
3568	-0.205704	-0.873216	-1.090925	117.187500	-123.046875	-13.671875	2.0	sidepump
3569	0.001578	-0.736430	-0.629555	17.578125	-15.625000	11.718750	2.0	sidepump
3570	0.019697	-0.804358	-0.215233	-11.718750	9.765625	0.000000	2.0	sidepump
3571	-0.031932	-0.857615	0.039610	7.812500	0.000000	17.578125	2.0	sidepump
3572	-0.031659	-0.864569	0.167516	1.953125	-5.859375	5.859375	2.0	sidepump
3573	-0.031496	-0.893741	0.244260	0.000000	-3.906250	5.859375	2.0	sidepump
3574	-0.031397	-0.898745	0.290306	5.859375	3.906250	5.859375	2.0	sidepump
3575	-0.043838	-0.901747	0.324183	3.906250	3.906250	0.000000	2.0	sidepump
3576	-0.063803	-0.891048	0.344510	0.000000	0.000000	0.000000	2.0	sidepump
3577	-0.075782	-0.890879	0.356706	-1.953125	-1.953125	-1.953125	2.0	sidepump
3578	-0.070469	-0.890777	0.357774	-3.906250	0.000000	1.953125	2.0	sidepump
3579	-0.067281	-0.896966	0.358414	-3.906250	3.906250	0.000000	2.0	sidepump
3580	-0.071619	-0.900680	0.352549	-7.812500	5.859375	1.953125	2.0	sidepump
3581	-0.080471	-0.909158	0.349029	-9.765625	3.906250	1.953125	2.0	sidepump
3582	-0.079533	-0.901745	0.340667	-9.765625	11.718750	1.953125	2.0	sidepump
3583	-0.078970	-0.897297	0.316900	-13.671875	21.484375	3.906250	2.0	sidepump
3584	-0.078632	-0.869628	0.265140	-33.203125	35.156250	7.812500	2.0	sidepump
3585	-0.084679	-0.834277	0.171584	-52.734375	66.406250	11.718750	2.0	sidepump
3586	-0.107057	-0.788066	0.027951	-83.984375	89.843750	39.062500	2.0	sidepump
3587	-0.164234	-0.754090	-0.176980	-117.187500	134.765625	44.921875	2.0	sidepump
3588	-0.267291	-0.752454	-0.412438	-148.437500	158.203125	37.109375	2.0	sidepump
3589	-0.266624	-0.726472	-0.659963	-140.625000	189.453125	50.781250	2.0	sidepump
3590	-0.222475	-0.573383	-0.839728	-171.875000	203.125000	-29.296875	0.0	sidepump
3591	-0.058485	-0.587780	-1.053837	-175.781250	41.015625	27.343750	0.0	sidepump
3592	0.221159	-0.565168	-1.082302	13.671875	21.484375	74.218750	0.0	sidepump
3593	0.320195	-0.345351	-0.986881	66.406250	29.296875	-19.531250	0.0	sidepump
3594	0.385867	-0.257210	-0.960879	7.812500	-3.906250	-11.718750	0.0	sidepump
3595	0.463388	-0.170597	-0.937101	0.000000	0.000000	0.000000	1.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3596	0.465533	-0.171108	-0.937261	-1.953125	0.000000	1.953125	1.0	sidepump
3597	0.466820	-0.177665	-0.937356	0.000000	-1.953125	1.953125	1.0	sidepump
3598	0.467592	-0.181599	-0.937414	0.000000	-1.953125	0.000000	1.0	sidepump
3599	0.461805	-0.177709	-0.937448	0.000000	-1.953125	0.000000	1.0	sidepump
3600	0.464583	-0.175376	-0.937469	0.000000	-1.953125	3.906250	1.0	sidepump
3601	0.497500	-0.173975	-0.962481	5.859375	-11.718750	13.671875	1.0	sidepump
3602	0.667250	-0.135635	-1.058739	-3.906250	-50.781250	11.718750	1.0	sidepump
3603	0.725350	-0.143881	-1.191493	13.671875	-7.812500	-21.484375	2.0	sidepump
3604	0.603960	-0.205079	-1.196146	-9.765625	19.531250	44.921875	2.0	sidepump
3605	0.287376	-0.329297	-0.948938	-3.906250	87.890625	-52.734375	2.0	sidepump
3606	-0.190074	-0.460078	-0.606863	44.921875	-60.546875	-115.234375	2.0	sidepump
3607	-0.176545	-0.669797	-0.626618	150.390625	-189.453125	-68.359375	2.0	sidepump
3608	-0.337177	-0.995628	-0.882221	248.046875	-197.265625	-50.781250	2.0	sidepump
3609	-0.496056	-1.184877	-1.316832	248.046875	-205.078125	-23.437500	2.0	sidepump
3610	-0.422634	-0.917176	-1.271349	187.500000	-164.062500	-21.484375	2.0	sidepump
3611	-0.172330	-0.744056	-0.794060	52.734375	-95.703125	-11.718750	2.0	sidepump
3612	-0.065898	-0.740183	-0.345186	27.343750	-7.812500	11.718750	2.0	sidepump
3613	-0.064539	-0.794110	-0.038361	13.671875	5.859375	17.578125	2.0	sidepump
3614	-0.057473	-0.826466	0.158233	-1.953125	0.000000	-1.953125	2.0	sidepump
3615	-0.065734	-0.839630	0.269940	0.000000	1.953125	-1.953125	2.0	sidepump
3616	-0.070690	-0.853778	0.336964	-1.953125	-1.953125	1.953125	2.0	sidepump
3617	-0.073664	-0.868517	0.370928	-1.953125	-3.906250	1.953125	2.0	sidepump
3618	-0.062949	-0.877360	0.385057	0.000000	-1.953125	0.000000	2.0	sidepump
3619	-0.062769	-0.882666	0.393534	1.953125	0.000000	-1.953125	2.0	sidepump
3620	-0.068911	-0.873350	0.411121	0.000000	0.000000	-1.953125	2.0	sidepump
3621	-0.072597	-0.874010	0.421672	-1.953125	1.953125	-1.953125	2.0	sidepump
3622	-0.074808	-0.880656	0.421753	-1.953125	1.953125	-1.953125	2.0	sidepump
3623	-0.076135	-0.872144	0.421802	-1.953125	3.906250	-1.953125	2.0	sidepump
3624	-0.070681	-0.867036	0.421831	-5.859375	3.906250	0.000000	2.0	sidepump
3625	-0.079909	-0.882722	0.415599	-9.765625	9.765625	-1.953125	2.0	sidepump
3626	-0.072945	-0.879633	0.405609	-11.718750	11.718750	0.000000	2.0	sidepump
3627	-0.081267	-0.896530	0.393366	-13.671875	19.531250	-3.906250	2.0	sidepump
3628	-0.092510	-0.875418	0.361019	-7.812500	17.578125	5.859375	2.0	sidepump
3629	-0.111756	-0.881501	0.329112	-13.671875	31.250000	9.765625	2.0	sidepump
3630	-0.123304	-0.878900	0.272467	-27.343750	46.875000	7.812500	2.0	sidepump
3631	-0.130232	-0.833590	0.163480	-50.781250	70.312500	17.578125	2.0	sidepump
3632	-0.115639	-0.712654	-0.026912	-111.328125	158.203125	-5.859375	2.0	sidepump
3633	-0.156884	-0.646342	-0.291147	-183.593750	195.312500	1.953125	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3634	-0.131630	-0.612805	-0.643438	-238.281250	226.562500	-97.656250	2.0	sidepump
3635	-0.016478	-0.511433	-1.123563	-250.000000	89.843750	50.781250	0.0	sidepump
3636	0.115113	-0.788110	-1.161638	-117.187500	-11.718750	126.953125	0.0	sidepump
3637	0.200318	-0.541616	-1.134483	115.234375	37.109375	-35.156250	0.0	sidepump
3638	0.232691	-0.374970	-1.011940	19.531250	-5.859375	46.875000	0.0	sidepump
3639	0.352114	-0.274982	-0.988414	1.953125	41.015625	-41.015625	0.0	sidepump
3640	0.441960	-0.212193	-0.937709	1.953125	-3.906250	-5.859375	0.0	sidepump
3641	0.446426	-0.214816	-0.937625	-1.953125	-1.953125	-1.953125	1.0	sidepump
3642	0.442856	-0.210139	-0.937575	0.000000	-1.953125	-3.906250	1.0	sidepump
3643	0.446963	-0.201084	-0.937545	0.000000	-1.953125	-3.906250	1.0	sidepump
3644	0.449428	-0.201900	-0.937527	-1.953125	-1.953125	0.000000	1.0	sidepump
3645	0.450907	-0.202390	-0.937516	-1.953125	-1.953125	1.953125	1.0	sidepump
3646	0.470544	-0.202684	-0.943760	0.000000	-5.859375	9.765625	1.0	sidepump
3647	0.557326	-0.165360	-0.991256	9.765625	-74.218750	-5.859375	1.0	sidepump
3648	0.628146	-0.136716	-1.138504	-13.671875	-56.640625	56.640625	2.0	sidepump
3649	0.558138	-0.163280	-1.245602	5.859375	60.546875	5.859375	2.0	sidepump
3650	0.353633	-0.222968	-1.103611	-25.390625	80.078125	-29.296875	2.0	sidepump
3651	0.043430	-0.402531	-0.768417	-29.296875	19.531250	-97.656250	2.0	sidepump
3652	-0.130192	-0.566518	-0.611050	87.890625	-105.468750	-91.796875	2.0	sidepump
3653	-0.209365	-0.683661	-0.754130	179.687500	-158.203125	-64.453125	2.0	sidepump
3654	-0.481869	-1.016447	-1.114978	246.093750	-187.500000	-70.312500	2.0	sidepump
3655	-0.582872	-1.047368	-1.468987	248.046875	-250.000000	-46.875000	2.0	sidepump
3656	-0.387223	-0.778421	-1.287642	134.765625	-185.546875	-33.203125	2.0	sidepump
3657	-0.157334	-0.667052	-0.766335	44.921875	-52.734375	-9.765625	2.0	sidepump
3658	-0.088150	-0.725231	-0.328551	27.343750	7.812500	0.000000	2.0	sidepump
3659	-0.102890	-0.753889	-0.028381	15.625000	3.906250	3.906250	2.0	sidepump
3660	-0.111734	-0.796083	0.164222	1.953125	3.906250	-1.953125	2.0	sidepump
3661	-0.117040	-0.821400	0.267283	3.906250	0.000000	0.000000	2.0	sidepump
3662	-0.113974	-0.836590	0.329120	-1.953125	1.953125	1.953125	2.0	sidepump
3663	-0.130885	-0.858204	0.372472	1.953125	1.953125	3.906250	2.0	sidepump
3664	-0.134781	-0.852422	0.392233	1.953125	0.000000	1.953125	2.0	sidepump
3665	-0.137118	-0.861453	0.397840	-3.906250	-1.953125	-1.953125	2.0	sidepump
3666	-0.132271	-0.873122	0.401204	-1.953125	-1.953125	-1.953125	2.0	sidepump
3667	-0.135613	-0.873873	0.403222	0.000000	1.953125	0.000000	2.0	sidepump
3668	-0.137618	-0.868074	0.404433	-1.953125	1.953125	1.953125	2.0	sidepump
3669	-0.145071	-0.877094	0.417660	-1.953125	0.000000	0.000000	2.0	sidepump
3670	-0.130792	-0.870007	0.413096	-3.906250	1.953125	0.000000	2.0	sidepump
3671	-0.128475	-0.872004	0.410358	-7.812500	7.812500	0.000000	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3672	-0.139585	-0.873202	0.402465	-9.765625	11.718750	0.000000	2.0	sidepump
3673	-0.140001	-0.861421	0.378979	-15.625000	17.578125	0.000000	2.0	sidepump
3674	-0.146501	-0.860603	0.346137	-25.390625	29.296875	0.000000	2.0	sidepump
3675	-0.131650	-0.785112	0.245182	-46.875000	48.828125	11.718750	2.0	sidepump
3676	-0.141490	-0.752317	0.072109	-83.984375	107.421875	11.718750	2.0	sidepump
3677	-0.191144	-0.732640	-0.156734	-126.953125	142.578125	41.015625	2.0	sidepump
3678	-0.252186	-0.683334	-0.412791	-189.453125	187.500000	-7.812500	2.0	sidepump
3679	-0.226312	-0.541250	-0.760174	-212.890625	248.046875	27.343750	2.0	sidepump
3680	-0.142037	-0.531000	-1.212355	-250.000000	169.921875	125.000000	2.0	sidepump
3681	0.008528	-0.674850	-1.139913	-87.890625	-50.781250	-27.343750	2.0	sidepump
3682	0.167617	-0.479910	-1.133948	121.093750	31.250000	33.203125	2.0	sidepump
3683	0.231820	-0.262946	-1.017869	50.781250	-5.859375	82.031250	2.0	sidepump
3684	0.339092	-0.245268	-1.004471	-17.578125	7.812500	-21.484375	2.0	sidepump
3685	0.397205	-0.215911	-0.983933	5.859375	11.718750	-23.437500	2.0	sidepump
3686	0.413323	-0.198296	-0.965360	3.906250	-5.859375	-1.953125	0.0	sidepump
3687	0.410494	-0.200228	-0.960466	0.000000	-3.906250	-9.765625	0.0	sidepump
3688	0.408796	-0.201387	-0.957529	1.953125	-1.953125	-1.953125	0.0	sidepump
3689	0.414028	-0.202082	-0.955768	3.906250	0.000000	-5.859375	0.0	sidepump
3690	0.417167	-0.202499	-0.954711	3.906250	-1.953125	-1.953125	0.0	sidepump
3691	0.371227	-0.287090	-0.947509	-5.859375	-1.953125	7.812500	1.0	sidepump
3692	0.366486	-0.303504	-0.943505	0.000000	-1.953125	-7.812500	1.0	sidepump
3693	0.369892	-0.300852	-0.947353	-1.953125	-3.906250	-11.718750	1.0	sidepump
3694	0.378185	-0.280511	-0.943412	1.953125	-1.953125	-13.671875	1.0	sidepump
3695	0.370661	-0.274557	-0.947297	-1.953125	-1.953125	-5.859375	1.0	sidepump
3696	0.366147	-0.283484	-0.949628	-1.953125	-3.906250	-5.859375	1.0	sidepump
3697	0.382188	-0.288840	-0.951027	1.953125	-3.906250	-9.765625	1.0	sidepump
3698	0.454313	-0.385804	-0.983116	19.531250	-37.109375	-9.765625	1.0	sidepump
3699	0.585088	-0.531483	-1.121120	115.234375	-44.921875	-72.265625	2.0	sidepump
3700	0.513553	-0.456390	-1.110172	101.562500	7.812500	-101.562500	2.0	sidepump
3701	0.345632	-0.417584	-0.916103	5.859375	-29.296875	-35.156250	2.0	sidepump
3702	-0.048871	-0.425550	-0.605912	21.484375	-74.218750	-64.453125	2.0	sidepump
3703	-0.335573	-0.605330	-0.438547	74.218750	-201.171875	-11.718750	2.0	sidepump
3704	-0.538844	-1.031948	-0.625628	162.109375	-250.000000	-1.953125	2.0	sidepump
3705	-0.729556	-1.319169	-0.975377	224.609375	-250.000000	-56.640625	2.0	sidepump
3706	-0.568984	-1.072751	-1.072726	189.453125	-199.218750	-15.625000	2.0	sidepump
3707	-0.191390	-0.781151	-0.693636	56.640625	-46.875000	13.671875	2.0	sidepump
3708	-0.189834	-0.718690	-0.191181	3.906250	-5.859375	11.718750	2.0	sidepump
3709	-0.151400	-0.762464	0.116541	-7.812500	-7.812500	11.718750	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3710	-0.134590	-0.794979	0.282425	-5.859375	-5.859375	1.953125	2.0	sidepump
3711	-0.149504	-0.789487	0.394455	-5.859375	-3.906250	-7.812500	2.0	sidepump
3712	-0.120953	-0.792442	0.417923	-7.812500	7.812500	-5.859375	2.0	sidepump
3713	-0.116322	-0.762965	0.369504	-29.296875	33.203125	-13.671875	2.0	sidepump
3714	-0.101043	-0.695279	0.271702	-85.937500	74.218750	-9.765625	2.0	sidepump
3715	-0.104376	-0.754668	0.081771	-136.718750	158.203125	-17.578125	2.0	sidepump
3716	-0.125125	-0.852801	-0.175937	-158.203125	228.515625	-39.062500	2.0	sidepump
3717	-0.131325	-0.874180	-0.399312	-191.406250	208.984375	-27.343750	2.0	sidepump
3718	-0.091295	-0.849508	-0.614587	-173.828125	121.093750	33.203125	2.0	sidepump
3719	-0.023527	-0.747205	-0.737502	-136.718750	95.703125	109.375000	2.0	sidepump
3720	0.010884	-0.585823	-0.898751	-160.156250	78.125000	177.734375	0.0	sidepump
3721	0.069030	-0.588994	-1.026751	-140.625000	78.125000	103.515625	0.0	sidepump
3722	0.247668	-0.484646	-1.028551	25.390625	-56.640625	-15.625000	0.0	sidepump
3723	0.348601	-0.328288	-0.985880	17.578125	13.671875	-7.812500	0.0	sidepump
3724	0.371661	-0.278223	-0.979028	1.953125	-1.953125	-15.625000	0.0	sidepump
3725	0.360496	-0.204434	-0.974917	5.859375	0.000000	1.953125	0.0	sidepump
3726	0.360048	-0.185160	-0.972450	1.953125	1.953125	1.953125	0.0	sidepump
3727	0.353529	-0.161096	-0.977220	0.000000	-1.953125	3.906250	0.0	sidepump
3728	0.402130	-0.150551	-0.977903	7.812500	-7.812500	-3.906250	1.0	sidepump
3729	0.497528	-0.140331	-0.992992	15.625000	-25.390625	-48.828125	1.0	sidepump
3730	0.623517	-0.221698	-1.114545	3.906250	9.765625	-37.109375	1.0	sidepump
3731	0.655360	-0.183019	-1.224977	25.390625	74.218750	-148.437500	0.0	sidepump
3732	0.568216	-0.209811	-1.109986	1.953125	83.984375	-66.406250	1.0	sidepump
3733	0.397180	-0.300887	-0.834742	29.296875	46.875000	-39.062500	1.0	sidepump
3734	0.182058	-0.405532	-0.600845	93.750000	-31.250000	-70.312500	0.0	sidepump
3735	0.059235	-0.624569	-0.616757	212.890625	-167.968750	19.531250	0.0	sidepump
3736	-0.158209	-1.143492	-0.957554	248.046875	-248.046875	72.265625	2.0	sidepump
3737	-0.369926	-1.486095	-1.368283	248.046875	-250.000000	48.828125	2.0	sidepump
3738	-0.303205	-1.216657	-1.302220	248.046875	-250.000000	33.203125	2.0	sidepump
3739	-0.013173	-0.829994	-0.775082	95.703125	-76.171875	54.687500	2.0	sidepump
3740	0.117096	-0.685497	-0.246299	9.765625	3.906250	1.953125	2.0	sidepump
3741	0.095258	-0.680048	0.170971	7.812500	5.859375	3.906250	2.0	sidepump
3742	0.088405	-0.664279	0.415082	5.859375	-3.906250	1.953125	2.0	sidepump
3743	0.096793	-0.667317	0.542799	3.906250	0.000000	0.000000	2.0	sidepump
3744	0.089326	-0.637890	0.625680	3.906250	0.000000	-1.953125	2.0	sidepump
3745	0.078595	-0.620234	0.681658	0.000000	1.953125	-1.953125	2.0	sidepump
3746	0.084657	-0.628391	0.715245	-3.906250	0.000000	-1.953125	2.0	sidepump
3747	0.100794	-0.627034	0.729147	-5.859375	-1.953125	-1.953125	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3748	0.110477	-0.626221	0.731238	-9.765625	9.765625	-5.859375	2.0	sidepump
3749	0.103786	-0.638232	0.726243	-21.484375	19.531250	-11.718750	2.0	sidepump
3750	0.106022	-0.645439	0.698246	-41.015625	33.203125	-13.671875	2.0	sidepump
3751	0.069863	-0.668514	0.637697	-54.687500	64.453125	-17.578125	2.0	sidepump
3752	0.048168	-0.701108	0.532618	-70.312500	89.843750	-21.484375	2.0	sidepump
3753	0.003901	-0.695665	0.382071	-95.703125	123.046875	-9.765625	2.0	sidepump
3754	-0.060160	-0.686149	0.160493	-136.718750	154.296875	1.953125	2.0	sidepump
3755	-0.117346	-0.692939	-0.166204	-169.921875	226.562500	5.859375	2.0	sidepump
3756	-0.182907	-0.678264	-0.480973	-207.031250	197.265625	39.062500	2.0	sidepump
3757	-0.247244	-0.625708	-0.726084	-208.984375	195.312500	50.781250	2.0	sidepump
3758	-0.198347	-0.537925	-1.079400	-216.796875	136.718750	183.593750	0.0	sidepump
3759	-0.137758	-0.660255	-1.085140	-99.609375	29.296875	80.078125	0.0	sidepump
3760	0.261095	-0.427403	-1.069834	91.796875	7.812500	-82.031250	0.0	sidepump
3761	0.319157	-0.331442	-1.029400	-13.671875	-17.578125	11.718750	0.0	sidepump
3762	0.310244	-0.223865	-1.017640	3.906250	9.765625	1.953125	0.0	sidepump
3763	0.317397	-0.203069	-1.004334	3.906250	-3.906250	3.906250	0.0	sidepump
3764	0.340438	-0.165591	-0.996350	1.953125	-5.859375	1.953125	0.0	sidepump
3765	0.354263	-0.155605	-0.991560	1.953125	0.000000	-7.812500	0.0	sidepump
3766	0.437073	-0.204126	-1.009447	15.625000	-15.625000	-9.765625	1.0	sidepump
3767	0.549744	-0.234976	-1.118168	37.109375	-66.406250	-25.390625	1.0	sidepump
3768	0.567346	-0.234735	-1.233401	52.734375	-5.859375	-101.562500	0.0	sidepump
3769	0.427908	-0.303341	-1.146291	5.859375	54.687500	-76.171875	1.0	sidepump
3770	0.237995	-0.394505	-0.881524	-27.343750	58.593750	-136.718750	1.0	sidepump
3771	0.055297	-0.505453	-0.635165	25.390625	-27.343750	-119.140625	0.0	sidepump
3772	-0.035572	-0.603272	-0.624849	146.484375	-132.812500	-42.968750	0.0	sidepump
3773	-0.190093	-0.843213	-0.768659	226.562500	-166.015625	-50.781250	0.0	sidepump
3774	-0.464056	-1.149678	-1.154946	248.046875	-216.796875	-23.437500	2.0	sidepump
3775	-0.515934	-1.158557	-1.286717	248.046875	-240.234375	23.437500	2.0	sidepump
3776	-0.322060	-0.913884	-0.965780	136.718750	-152.343750	-1.953125	2.0	sidepump
3777	-0.161986	-0.729580	-0.448218	50.781250	-64.453125	29.296875	2.0	sidepump
3778	-0.084692	-0.700248	-0.043931	7.812500	-29.296875	9.765625	2.0	sidepump
3779	-0.044565	-0.726399	0.217391	-3.906250	-3.906250	5.859375	2.0	sidepump
3780	-0.051739	-0.742089	0.380435	0.000000	0.000000	0.000000	2.0	sidepump
3781	-0.043543	-0.745254	0.472011	-1.953125	5.859375	-1.953125	2.0	sidepump
3782	-0.044876	-0.753402	0.533207	0.000000	5.859375	0.000000	2.0	sidepump
3783	-0.064426	-0.752041	0.569924	1.953125	3.906250	-3.906250	2.0	sidepump
3784	-0.082405	-0.744975	0.598204	0.000000	1.953125	-1.953125	2.0	sidepump
3785	-0.086943	-0.740735	0.608923	-3.906250	-1.953125	-3.906250	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3786	-0.064666	-0.738191	0.602854	-5.859375	3.906250	-3.906250	2.0	sidepump
3787	-0.038800	-0.692915	0.555462	-31.250000	23.437500	-7.812500	2.0	sidepump
3788	0.007970	-0.653249	0.402027	-83.984375	82.031250	0.000000	2.0	sidepump
3789	-0.070218	-0.598199	0.134966	-166.015625	166.015625	15.625000	2.0	sidepump
3790	-0.204631	-0.621420	-0.262770	-199.218750	248.046875	13.671875	2.0	sidepump
3791	-0.360278	-0.641602	-0.645162	-220.703125	238.281250	66.406250	2.0	sidepump
3792	-0.441167	-0.666211	-0.999597	-185.546875	183.593750	105.468750	2.0	sidepump
3793	-0.427200	-0.612227	-1.093508	-109.375000	158.203125	248.046875	2.0	sidepump
3794	-0.293820	-0.654836	-1.018605	-56.640625	54.687500	82.031250	2.0	sidepump
3795	-0.057542	-0.517902	-0.948663	-11.718750	-44.921875	1.953125	2.0	sidepump
3796	0.109225	-0.416991	-0.956698	19.531250	-7.812500	7.812500	2.0	sidepump
3797	0.171785	-0.331445	-0.967769	15.625000	-3.906250	-15.625000	2.0	sidepump
3798	0.221821	-0.273867	-0.980661	13.671875	-13.671875	15.625000	0.0	sidepump
3799	0.258093	-0.258070	-0.988397	-3.906250	-19.531250	0.000000	0.0	sidepump
3800	0.267356	-0.242342	-0.993038	0.000000	0.000000	-1.953125	0.0	sidepump
3801	0.241663	-0.245405	-0.995823	-1.953125	0.000000	1.953125	0.0	sidepump
3802	0.219998	-0.240993	-0.997494	0.000000	0.000000	1.953125	0.0	sidepump
3803	0.213249	-0.244596	-0.998496	-1.953125	0.000000	-3.906250	0.0	sidepump
3804	0.215449	-0.253008	-0.999098	-1.953125	-1.953125	-5.859375	0.0	sidepump
3805	0.210520	-0.251805	-0.999459	0.000000	-1.953125	-3.906250	0.0	sidepump
3806	0.336235	-0.178576	-0.984744	0.000000	0.000000	-1.953125	1.0	sidepump
3807	0.332991	-0.175896	-0.984596	0.000000	0.000000	-1.953125	1.0	sidepump
3808	0.337295	-0.174287	-0.984508	0.000000	0.000000	0.000000	1.0	sidepump
3809	0.339877	-0.173322	-0.984455	0.000000	0.000000	0.000000	1.0	sidepump
3810	0.341426	-0.172743	-0.984423	0.000000	0.000000	0.000000	1.0	sidepump
3811	0.342356	-0.178646	-0.984404	0.000000	0.000000	-1.953125	1.0	sidepump
3812	0.342913	-0.175938	-0.984392	1.953125	0.000000	-1.953125	1.0	sidepump
3813	0.436998	-0.199313	-1.003135	13.671875	-11.718750	-50.781250	1.0	sidepump
3814	0.624699	-0.132088	-1.139381	7.812500	-17.578125	-107.421875	2.0	sidepump
3815	0.649819	-0.123003	-1.252379	17.578125	1.953125	54.687500	2.0	sidepump
3816	0.458642	-0.230052	-1.182677	0.000000	70.312500	-33.203125	2.0	sidepump
3817	0.081435	-0.356781	-0.853356	-11.718750	62.500000	-146.484375	2.0	sidepump
3818	-0.169889	-0.514069	-0.599514	97.656250	-91.796875	-60.546875	2.0	sidepump
3819	-0.208183	-0.708441	-0.772208	210.937500	-173.828125	-33.203125	2.0	sidepump
3820	-0.324910	-1.025065	-1.025825	248.046875	-197.265625	-56.640625	2.0	sidepump
3821	-0.513696	-1.202539	-1.190495	248.046875	-207.031250	-42.968750	2.0	sidepump
3822	-0.476968	-1.034023	-1.183047	181.640625	-210.937500	-29.296875	2.0	sidepump
3823	-0.079931	-0.789164	-0.834828	29.296875	-87.890625	-23.437500	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3824	-0.041708	-0.785998	-0.363397	1.953125	21.484375	9.765625	2.0	sidepump
3825	-0.081275	-0.834099	-0.049288	1.953125	-7.812500	21.484375	2.0	sidepump
3826	0.001235	-0.887959	0.082927	-15.625000	0.000000	-7.812500	2.0	sidepump
3827	-0.030509	-0.920276	0.193506	0.000000	11.718750	-3.906250	2.0	sidepump
3828	-0.037055	-0.902165	0.259854	1.953125	-1.953125	0.000000	2.0	sidepump
3829	-0.028483	-0.910049	0.287162	-1.953125	3.906250	-1.953125	2.0	sidepump
3830	-0.029590	-0.927280	0.309797	0.000000	5.859375	-3.906250	2.0	sidepump
3831	-0.030254	-0.912618	0.317128	-3.906250	5.859375	-3.906250	2.0	sidepump
3832	-0.018152	-0.872571	0.284027	-23.437500	11.718750	-3.906250	2.0	sidepump
3833	-0.004641	-0.804792	0.176666	-50.781250	46.875000	1.953125	2.0	sidepump
3834	-0.015285	-0.689125	0.024750	-111.328125	80.078125	35.156250	2.0	sidepump
3835	-0.077921	-0.669725	-0.216400	-181.640625	173.828125	-11.718750	2.0	sidepump
3836	-0.109253	-0.808085	-0.567340	-179.687500	226.562500	27.343750	2.0	sidepump
3837	-0.146802	-0.766101	-0.796654	-197.265625	171.875000	72.265625	2.0	sidepump
3838	-0.081831	-0.672161	-1.002992	-201.171875	115.234375	134.765625	2.0	sidepump
3839	-0.017849	-0.697046	-1.145545	-203.125000	119.140625	48.828125	2.0	sidepump
3840	0.064291	-0.618228	-1.087327	15.625000	-31.250000	58.593750	2.0	sidepump
3841	0.182325	-0.420937	-1.033646	76.171875	-41.015625	64.453125	2.0	sidepump
3842	0.365645	-0.327562	-1.038938	15.625000	11.718750	-5.859375	2.0	sidepump
3843	0.431887	-0.209037	-0.979613	11.718750	11.718750	-3.906250	2.0	sidepump
3844	0.421632	-0.206672	-0.975268	-5.859375	-11.718750	15.625000	0.0	sidepump
3845	0.390479	-0.224003	-0.972661	-5.859375	-7.812500	5.859375	0.0	sidepump
3846	0.390538	-0.221902	-0.971096	5.859375	1.953125	-9.765625	0.0	sidepump
3847	0.403073	-0.201891	-0.957658	3.906250	0.000000	-7.812500	0.0	sidepump
3848	0.404344	-0.202385	-0.955845	-1.953125	-1.953125	0.000000	0.0	sidepump
3849	0.398856	-0.215181	-0.954757	-1.953125	-1.953125	1.953125	0.0	sidepump
3850	0.395564	-0.210359	-0.954104	0.000000	-1.953125	0.000000	0.0	sidepump
3851	0.393588	-0.213715	-0.953712	-1.953125	-1.953125	-1.953125	0.0	sidepump
3852	0.390855	-0.216108	-0.953171	0.000000	0.000000	0.000000	1.0	sidepump
3853	0.390763	-0.217165	-0.953152	-1.953125	0.000000	0.000000	1.0	sidepump
3854	0.390708	-0.217799	-0.953141	0.000000	0.000000	0.000000	1.0	sidepump
3855	0.396925	-0.218179	-0.953135	0.000000	0.000000	0.000000	1.0	sidepump
3856	0.394405	-0.218408	-0.953131	0.000000	-1.953125	-1.953125	1.0	sidepump
3857	0.399143	-0.218545	-0.953129	0.000000	-1.953125	-1.953125	1.0	sidepump
3858	0.426986	-0.243627	-0.965627	9.765625	-5.859375	-13.671875	1.0	sidepump
3859	0.537441	-0.239926	-1.023126	19.531250	-68.359375	-25.390625	1.0	sidepump
3860	0.647465	-0.231456	-1.195126	17.578125	-46.875000	-5.859375	2.0	sidepump
3861	0.519729	-0.226373	-1.204575	17.578125	21.484375	-25.390625	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3862	0.305587	-0.285824	-1.016495	-23.437500	62.500000	-64.453125	2.0	sidepump
3863	0.083352	-0.427744	-0.703647	1.953125	42.968750	-107.421875	2.0	sidepump
3864	-0.074989	-0.587897	-0.534688	117.187500	-85.937500	-56.640625	2.0	sidepump
3865	-0.201243	-0.821488	-0.652063	222.656250	-195.312500	-13.671875	2.0	sidepump
3866	-0.408246	-1.192893	-0.947488	248.046875	-224.609375	3.906250	2.0	sidepump
3867	-0.476198	-1.303236	-1.174743	248.046875	-210.937500	-13.671875	2.0	sidepump
3868	-0.254469	-1.006941	-1.029846	115.234375	-169.921875	7.812500	2.0	sidepump
3869	0.003569	-0.866665	-0.592907	15.625000	-64.453125	9.765625	2.0	sidepump
3870	0.052141	-0.832499	-0.218244	11.718750	-1.953125	15.625000	2.0	sidepump
3871	0.043785	-0.855749	0.050303	3.906250	0.000000	5.859375	2.0	sidepump
3872	0.051271	-0.850950	0.205182	-1.953125	-3.906250	-3.906250	2.0	sidepump
3873	0.037013	-0.879320	0.304359	0.000000	0.000000	1.953125	2.0	sidepump
3874	0.034708	-0.877592	0.357616	-1.953125	1.953125	-1.953125	2.0	sidepump
3875	0.027075	-0.876555	0.383319	-1.953125	3.906250	0.000000	2.0	sidepump
3876	0.022495	-0.875933	0.398742	-3.906250	3.906250	1.953125	2.0	sidepump
3877	0.025997	-0.881810	0.414245	-5.859375	5.859375	0.000000	2.0	sidepump
3878	0.028098	-0.879086	0.417297	-5.859375	3.906250	0.000000	2.0	sidepump
3879	0.016859	-0.871202	0.406628	-7.812500	5.859375	0.000000	2.0	sidepump
3880	0.022615	-0.860221	0.387727	-17.578125	13.671875	1.953125	2.0	sidepump
3881	0.026069	-0.841133	0.326386	-44.921875	21.484375	7.812500	2.0	sidepump
3882	0.040642	-0.817180	0.195832	-66.406250	83.984375	13.671875	2.0	sidepump
3883	0.005635	-0.802808	0.029999	-123.046875	125.000000	13.671875	2.0	sidepump
3884	-0.115369	-0.769185	-0.232001	-148.437500	177.734375	19.531250	2.0	sidepump
3885	-0.169221	-0.749011	-0.514200	-183.593750	173.828125	19.531250	2.0	sidepump
3886	-0.195283	-0.711906	-0.733520	-185.546875	154.296875	11.718750	2.0	sidepump
3887	-0.179670	-0.639644	-0.927612	-160.156250	99.609375	144.531250	0.0	sidepump
3888	-0.095302	-0.696286	-1.031567	-132.812500	35.156250	70.312500	0.0	sidepump
3889	0.024069	-0.617772	-1.031440	21.484375	-7.812500	1.953125	0.0	sidepump
3890	0.239441	-0.401913	-0.987614	58.593750	78.125000	-46.875000	0.0	sidepump
3891	0.324915	-0.297398	-0.961319	-5.859375	-9.765625	-3.906250	0.0	sidepump
3892	0.344949	-0.247189	-0.964291	5.859375	-1.953125	-17.578125	0.0	sidepump
3893	0.363219	-0.223313	-0.959825	1.953125	0.000000	-1.953125	0.0	sidepump
3894	0.392932	-0.202738	-0.957145	0.000000	3.906250	0.000000	0.0	sidepump
3895	0.421109	-0.187903	-0.953254	1.953125	-1.953125	1.953125	1.0	sidepump
3896	0.471415	-0.206492	-0.978203	13.671875	-25.390625	-13.671875	1.0	sidepump
3897	0.589099	-0.192645	-1.099422	-11.718750	-70.312500	-1.953125	1.0	sidepump
3898	0.597210	-0.153087	-1.209653	17.578125	-13.671875	15.625000	0.0	sidepump
3899	0.495826	-0.148102	-1.182042	-15.625000	58.593750	-31.250000	1.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3900	0.247495	-0.276361	-0.977975	-60.546875	76.171875	-60.546875	1.0	sidepump
3901	-0.032753	-0.515817	-0.711785	33.203125	-27.343750	-78.125000	0.0	sidepump
3902	-0.182152	-0.703240	-0.670821	195.312500	-128.906250	-50.781250	0.0	sidepump
3903	-0.396791	-0.990694	-0.946243	248.046875	-218.750000	-46.875000	2.0	sidepump
3904	-0.544325	-1.206916	-1.361496	248.046875	-244.140625	-68.359375	2.0	sidepump
3905	-0.395345	-0.955400	-1.410647	207.031250	-156.250000	-39.062500	2.0	sidepump
3906	-0.062207	-0.735740	-0.996388	58.593750	-68.359375	0.000000	2.0	sidepump
3907	0.000176	-0.735194	-0.479083	29.296875	3.906250	13.671875	2.0	sidepump
3908	-0.031144	-0.772366	-0.118700	19.531250	7.812500	25.390625	2.0	sidepump
3909	-0.012437	-0.813420	0.097530	-5.859375	-7.812500	0.000000	2.0	sidepump
3910	-0.001212	-0.856802	0.208518	-3.906250	-1.953125	1.953125	2.0	sidepump
3911	-0.000727	-0.882831	0.275111	3.906250	1.953125	5.859375	2.0	sidepump
3912	-0.006686	-0.898449	0.315067	1.953125	-1.953125	0.000000	2.0	sidepump
3913	0.002238	-0.901569	0.332790	1.953125	0.000000	0.000000	2.0	sidepump
3914	-0.004907	-0.903442	0.349674	1.953125	3.906250	0.000000	2.0	sidepump
3915	-0.015444	-0.904565	0.372304	0.000000	-1.953125	0.000000	2.0	sidepump
3916	-0.015517	-0.892739	0.379633	0.000000	0.000000	-3.906250	2.0	sidepump
3917	-0.015560	-0.898143	0.384030	-1.953125	1.953125	-3.906250	2.0	sidepump
3918	-0.021836	-0.895136	0.392918	-1.953125	1.953125	-3.906250	2.0	sidepump
3919	-0.013102	-0.862082	0.379501	-11.718750	5.859375	-1.953125	2.0	sidepump
3920	0.004639	-0.810999	0.321450	-39.062500	17.578125	13.671875	2.0	sidepump
3921	-0.009717	-0.730349	0.192870	-76.171875	58.593750	13.671875	2.0	sidepump
3922	0.000420	-0.669460	-0.015528	-152.343750	119.140625	5.859375	2.0	sidepump
3923	-0.043498	-0.695426	-0.334317	-197.265625	191.406250	17.578125	2.0	sidepump
3924	-0.101099	-0.642255	-0.706840	-250.000000	220.703125	-72.265625	2.0	sidepump
3925	-0.110659	-0.491603	-1.199104	-250.000000	144.531250	238.281250	2.0	sidepump
3926	-0.122646	-0.732462	-1.263212	-210.937500	97.656250	107.421875	2.0	sidepump
3927	0.032663	-0.645727	-1.195427	42.968750	-17.578125	25.390625	2.0	sidepump
3928	0.082098	-0.443686	-1.067256	44.921875	-9.765625	42.968750	2.0	sidepump
3929	0.155509	-0.384962	-1.015354	5.859375	-27.343750	17.578125	2.0	sidepump
3930	0.487055	-0.280977	-0.934212	46.875000	85.937500	-9.765625	2.0	sidepump
3931	0.485983	-0.256086	-0.929277	-7.812500	-39.062500	-11.718750	2.0	sidepump
3932	0.422840	-0.234902	-0.938816	1.953125	-3.906250	-19.531250	0.0	sidepump
3933	0.422454	-0.247191	-0.950790	0.000000	5.859375	-5.859375	0.0	sidepump
3934	0.453472	-0.229565	-0.932974	0.000000	5.859375	0.000000	0.0	sidepump
3935	0.447083	-0.231489	-0.934784	1.953125	-5.859375	-5.859375	0.0	sidepump
3936	0.437000	-0.226393	-0.935871	0.000000	0.000000	0.000000	0.0	sidepump
3937	0.443450	-0.229586	-0.930272	-1.953125	0.000000	5.859375	0.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3938	0.441070	-0.231502	-0.926913	0.000000	-1.953125	-1.953125	0.0	sidepump
3939	0.439642	-0.232651	-0.931148	0.000000	0.000000	0.000000	0.0	sidepump
3940	0.441070	-0.231502	-0.926913	0.000000	-1.953125	-1.953125	0.0	sidepump
3941	0.439642	-0.232651	-0.931148	0.000000	0.000000	0.000000	0.0	sidepump
3942	0.445035	-0.239591	-0.927439	0.000000	-1.953125	0.000000	0.0	sidepump
3943	0.442021	-0.243754	-0.931463	0.000000	-1.953125	-1.953125	0.0	sidepump
3944	0.446463	-0.240003	-0.933878	0.000000	0.000000	0.000000	1.0	sidepump
3945	0.455378	-0.244002	-0.941577	3.906250	-5.859375	-1.953125	1.0	sidepump
3946	0.510727	-0.246401	-0.952446	11.718750	-35.156250	-17.578125	1.0	sidepump
3947	0.606436	-0.210341	-1.008968	9.765625	-31.250000	-1.953125	1.0	sidepump
3948	0.645112	-0.232454	-1.142881	9.765625	-19.531250	-1.953125	2.0	sidepump
3949	0.530817	-0.289473	-1.154478	7.812500	42.968750	-19.531250	2.0	sidepump
3950	0.274740	-0.342434	-0.930187	-31.250000	37.109375	-58.593750	2.0	sidepump
3951	0.064844	-0.467960	-0.658112	-9.765625	-42.968750	-80.078125	2.0	sidepump
3952	-0.129844	-0.637026	-0.576117	130.859375	-166.015625	0.000000	2.0	sidepump
3953	-0.421656	-0.944716	-0.776920	226.562500	-246.093750	9.765625	2.0	sidepump
3954	-0.809244	-1.191829	-1.184902	248.046875	-250.000000	-15.625000	2.0	sidepump
3955	-0.741796	-1.046348	-1.335941	162.109375	-250.000000	-60.546875	2.0	sidepump
3956	-0.382578	-0.752809	-0.970315	54.687500	-121.093750	-37.109375	2.0	sidepump
3957	-0.223297	-0.664185	-0.463439	17.578125	-1.953125	5.859375	2.0	sidepump
3958	-0.196478	-0.736011	-0.090563	11.718750	7.812500	19.531250	2.0	sidepump
3959	-0.186637	-0.810357	0.133162	-1.953125	-9.765625	-1.953125	2.0	sidepump
3960	-0.155732	-0.829964	0.248647	0.000000	-7.812500	-5.859375	2.0	sidepump
3961	-0.155939	-0.829228	0.324188	1.953125	-1.953125	0.000000	2.0	sidepump
3962	-0.156064	-0.841287	0.382013	1.953125	0.000000	1.953125	2.0	sidepump
3963	-0.143638	-0.854772	0.404208	1.953125	0.000000	1.953125	2.0	sidepump
3964	-0.136183	-0.844113	0.417525	-1.953125	1.953125	0.000000	2.0	sidepump
3965	-0.150460	-0.850218	0.431765	-3.906250	7.812500	-1.953125	2.0	sidepump
3966	-0.140276	-0.816381	0.415309	-13.671875	9.765625	1.953125	2.0	sidepump
3967	-0.121666	-0.764828	0.361685	-44.921875	27.343750	7.812500	2.0	sidepump
3968	-0.135499	-0.721397	0.242011	-70.312500	72.265625	19.531250	2.0	sidepump
3969	-0.206300	-0.676588	0.088957	-97.656250	113.281250	60.546875	2.0	sidepump
3970	-0.355030	-0.774703	-0.109126	-89.843750	201.171875	9.765625	2.0	sidepump
3971	-0.356768	-0.821072	-0.365476	-80.078125	228.515625	-11.718750	2.0	sidepump
3972	-0.382811	-0.742643	-0.556785	-134.765625	201.171875	1.953125	2.0	sidepump
3973	-0.267186	-0.701836	-0.765321	-146.484375	134.765625	-9.765625	2.0	sidepump
3974	-0.104062	-0.627352	-0.921693	-138.671875	60.546875	1.953125	0.0	sidepump
3975	0.056313	-0.607661	-0.984266	-46.875000	17.578125	62.500000	0.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
3976	0.208788	-0.483347	-0.971809	35.156250	35.156250	-25.390625	0.0	sidepump
3977	0.287773	-0.327508	-0.951836	17.578125	5.859375	-5.859375	0.0	sidepump
3978	0.347664	-0.265255	-0.952351	1.953125	1.953125	1.953125	0.0	sidepump
3979	0.389848	-0.215403	-0.952661	-1.953125	1.953125	1.953125	0.0	sidepump
3980	0.408909	-0.216742	-0.946596	-3.906250	0.000000	13.671875	0.0	sidepump
3981	0.414095	-0.223795	-0.942958	0.000000	0.000000	-1.953125	0.0	sidepump
3982	0.468588	-0.187568	-0.937468	0.000000	-1.953125	-1.953125	1.0	sidepump
3983	0.468653	-0.187541	-0.937481	0.000000	-1.953125	-1.953125	1.0	sidepump
3984	0.468692	-0.187524	-0.937489	0.000000	-1.953125	-1.953125	1.0	sidepump
3985	0.474965	-0.181265	-0.931243	-1.953125	0.000000	1.953125	1.0	sidepump
3986	0.472479	-0.183759	-0.933746	0.000000	-1.953125	1.953125	1.0	sidepump
3987	0.477237	-0.172755	-0.935248	0.000000	-5.859375	11.718750	1.0	sidepump
3988	0.536342	-0.134903	-0.954899	-5.859375	-27.343750	54.687500	1.0	sidepump
3989	0.603055	-0.243442	-1.035439	0.000000	-39.062500	-1.953125	1.0	sidepump
3990	0.618083	-0.227315	-1.146263	31.250000	-15.625000	-46.875000	2.0	sidepump
3991	0.595850	-0.248889	-1.112758	7.812500	46.875000	-31.250000	2.0	sidepump
3992	0.270010	-0.424333	-0.842655	7.812500	72.265625	-105.468750	2.0	sidepump
3993	-0.056744	-0.642100	-0.568093	101.562500	-97.656250	-33.203125	2.0	sidepump
3994	-0.259046	-0.885260	-0.672106	222.656250	-210.937500	-13.671875	2.0	sidepump
3995	-0.474178	-1.199906	-1.040763	248.046875	-248.046875	-31.250000	2.0	sidepump
3996	-0.447007	-1.194944	-1.286958	232.421875	-208.984375	-46.875000	2.0	sidepump
3997	-0.205704	-0.873216	-1.090925	117.187500	-123.046875	-13.671875	2.0	sidepump
3998	0.001578	-0.736430	-0.629555	17.578125	-15.625000	11.718750	2.0	sidepump
3999	0.019697	-0.804358	-0.215233	-11.718750	9.765625	0.000000	2.0	sidepump
4000	-0.031932	-0.857615	0.039610	7.812500	0.000000	17.578125	2.0	sidepump
4001	-0.031659	-0.864569	0.167516	1.953125	-5.859375	5.859375	2.0	sidepump
4002	-0.031496	-0.893741	0.244260	0.000000	-3.906250	5.859375	2.0	sidepump
4003	-0.031397	-0.898745	0.290306	5.859375	3.906250	5.859375	2.0	sidepump
4004	-0.043838	-0.901747	0.324183	3.906250	3.906250	0.000000	2.0	sidepump
4005	-0.063803	-0.891048	0.344510	0.000000	0.000000	0.000000	2.0	sidepump
4006	-0.075782	-0.890879	0.356706	-1.953125	-1.953125	-1.953125	2.0	sidepump
4007	-0.070469	-0.890777	0.357774	-3.906250	0.000000	1.953125	2.0	sidepump
4008	-0.067281	-0.896966	0.358414	-3.906250	3.906250	0.000000	2.0	sidepump
4009	-0.071619	-0.900680	0.352549	-7.812500	5.859375	1.953125	2.0	sidepump
4010	-0.080471	-0.909158	0.349029	-9.765625	3.906250	1.953125	2.0	sidepump
4011	-0.079533	-0.901745	0.340667	-9.765625	11.718750	1.953125	2.0	sidepump
4012	-0.078970	-0.897297	0.316900	-13.671875	21.484375	3.906250	2.0	sidepump
4013	-0.078632	-0.869628	0.265140	-33.203125	35.156250	7.812500	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4014	-0.084679	-0.834277	0.171584	-52.734375	66.406250	11.718750	2.0	sidepump
4015	-0.107057	-0.788066	0.027951	-83.984375	89.843750	39.062500	2.0	sidepump
4016	-0.164234	-0.754090	-0.176980	-117.187500	134.765625	44.921875	2.0	sidepump
4017	-0.267291	-0.752454	-0.412438	-148.437500	158.203125	37.109375	2.0	sidepump
4018	-0.266624	-0.726472	-0.659963	-140.625000	189.453125	50.781250	2.0	sidepump
4019	-0.222475	-0.573383	-0.839728	-171.875000	203.125000	-29.296875	0.0	sidepump
4020	-0.058485	-0.587780	-1.053837	-175.781250	41.015625	27.343750	0.0	sidepump
4021	0.221159	-0.565168	-1.082302	13.671875	21.484375	74.218750	0.0	sidepump
4022	0.320195	-0.345351	-0.986881	66.406250	29.296875	-19.531250	0.0	sidepump
4023	0.385867	-0.257210	-0.960879	7.812500	-3.906250	-11.718750	0.0	sidepump
4024	0.419020	-0.216826	-0.951527	5.859375	3.906250	5.859375	0.0	sidepump
4025	0.457662	-0.186346	-0.939666	9.765625	5.859375	-5.859375	0.0	sidepump
4026	0.474597	-0.174307	-0.932550	-1.953125	-3.906250	3.906250	0.0	sidepump
4027	0.463388	-0.170597	-0.937101	0.000000	0.000000	0.000000	1.0	sidepump
4028	0.465533	-0.171108	-0.937261	-1.953125	0.000000	1.953125	1.0	sidepump
4029	0.466820	-0.177665	-0.937356	0.000000	-1.953125	1.953125	1.0	sidepump
4030	0.467592	-0.181599	-0.937414	0.000000	-1.953125	0.000000	1.0	sidepump
4031	0.461805	-0.177709	-0.937448	0.000000	-1.953125	0.000000	1.0	sidepump
4032	0.464583	-0.175376	-0.937469	0.000000	-1.953125	3.906250	1.0	sidepump
4033	0.497500	-0.173975	-0.962481	5.859375	-11.718750	13.671875	1.0	sidepump
4034	0.667250	-0.135635	-1.058739	-3.906250	-50.781250	11.718750	1.0	sidepump
4035	0.725350	-0.143881	-1.191493	13.671875	-7.812500	-21.484375	2.0	sidepump
4036	0.603960	-0.205079	-1.196146	-9.765625	19.531250	44.921875	2.0	sidepump
4037	0.287376	-0.329297	-0.948938	-3.906250	87.890625	-52.734375	2.0	sidepump
4038	-0.190074	-0.460078	-0.606863	44.921875	-60.546875	-115.234375	2.0	sidepump
4039	-0.176545	-0.669797	-0.626618	150.390625	-189.453125	-68.359375	2.0	sidepump
4040	-0.337177	-0.995628	-0.882221	248.046875	-197.265625	-50.781250	2.0	sidepump
4041	-0.496056	-1.184877	-1.316832	248.046875	-205.078125	-23.437500	2.0	sidepump
4042	-0.422634	-0.917176	-1.271349	187.500000	-164.062500	-21.484375	2.0	sidepump
4043	-0.172330	-0.744056	-0.794060	52.734375	-95.703125	-11.718750	2.0	sidepump
4044	-0.065898	-0.740183	-0.345186	27.343750	-7.812500	11.718750	2.0	sidepump
4045	-0.064539	-0.794110	-0.038361	13.671875	5.859375	17.578125	2.0	sidepump
4046	-0.057473	-0.826466	0.158233	-1.953125	0.000000	-1.953125	2.0	sidepump
4047	-0.065734	-0.839630	0.269940	0.000000	1.953125	-1.953125	2.0	sidepump
4048	-0.070690	-0.853778	0.336964	-1.953125	-1.953125	1.953125	2.0	sidepump
4049	-0.073664	-0.868517	0.370928	-1.953125	-3.906250	1.953125	2.0	sidepump
4050	-0.062949	-0.877360	0.385057	0.000000	-1.953125	0.000000	2.0	sidepump
4051	-0.062769	-0.882666	0.393534	1.953125	0.000000	-1.953125	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4052	-0.068911	-0.873350	0.411121	0.000000	0.000000	-1.953125	2.0	sidepump
4053	-0.072597	-0.874010	0.421672	-1.953125	1.953125	-1.953125	2.0	sidepump
4054	-0.074808	-0.880656	0.421753	-1.953125	1.953125	-1.953125	2.0	sidepump
4055	-0.076135	-0.872144	0.421802	-1.953125	3.906250	-1.953125	2.0	sidepump
4056	-0.070681	-0.867036	0.421831	-5.859375	3.906250	0.000000	2.0	sidepump
4057	-0.079909	-0.882722	0.415599	-9.765625	9.765625	-1.953125	2.0	sidepump
4058	-0.072945	-0.879633	0.405609	-11.718750	11.718750	0.000000	2.0	sidepump
4059	-0.081267	-0.896530	0.393366	-13.671875	19.531250	-3.906250	2.0	sidepump
4060	-0.092510	-0.875418	0.361019	-7.812500	17.578125	5.859375	2.0	sidepump
4061	-0.111756	-0.881501	0.329112	-13.671875	31.250000	9.765625	2.0	sidepump
4062	-0.123304	-0.878900	0.272467	-27.343750	46.875000	7.812500	2.0	sidepump
4063	-0.130232	-0.833590	0.163480	-50.781250	70.312500	17.578125	2.0	sidepump
4064	-0.115639	-0.712654	-0.026912	-111.328125	158.203125	-5.859375	2.0	sidepump
4065	-0.156884	-0.646342	-0.291147	-183.593750	195.312500	1.953125	2.0	sidepump
4066	-0.131630	-0.612805	-0.643438	-238.281250	226.562500	-97.656250	2.0	sidepump
4067	-0.016478	-0.511433	-1.123563	-250.000000	89.843750	50.781250	0.0	sidepump
4068	0.115113	-0.788110	-1.161638	-117.187500	-11.718750	126.953125	0.0	sidepump
4069	0.200318	-0.541616	-1.134483	115.234375	37.109375	-35.156250	0.0	sidepump
4070	0.232691	-0.374970	-1.011940	19.531250	-5.859375	46.875000	0.0	sidepump
4071	0.352114	-0.274982	-0.988414	1.953125	41.015625	-41.015625	0.0	sidepump
4072	0.417519	-0.233739	-0.968048	3.906250	1.953125	-3.906250	0.0	sidepump
4073	0.413011	-0.196493	-0.955829	0.000000	-5.859375	13.671875	0.0	sidepump
4074	0.429057	-0.217896	-0.948497	-1.953125	1.953125	7.812500	0.0	sidepump
4075	0.441960	-0.212193	-0.937709	1.953125	-3.906250	-5.859375	0.0	sidepump
4076	0.446426	-0.214816	-0.937625	-1.953125	-1.953125	-1.953125	1.0	sidepump
4077	0.442856	-0.210139	-0.937575	0.000000	-1.953125	-3.906250	1.0	sidepump
4078	0.446963	-0.201084	-0.937545	0.000000	-1.953125	-3.906250	1.0	sidepump
4079	0.449428	-0.201900	-0.937527	-1.953125	-1.953125	0.000000	1.0	sidepump
4080	0.450907	-0.202390	-0.937516	-1.953125	-1.953125	1.953125	1.0	sidepump
4081	0.470544	-0.202684	-0.943760	0.000000	-5.859375	9.765625	1.0	sidepump
4082	0.557326	-0.165360	-0.991256	9.765625	-74.218750	-5.859375	1.0	sidepump
4083	0.628146	-0.136716	-1.138504	-13.671875	-56.640625	56.640625	2.0	sidepump
4084	0.558138	-0.163280	-1.245602	5.859375	60.546875	5.859375	2.0	sidepump
4085	0.353633	-0.222968	-1.103611	-25.390625	80.078125	-29.296875	2.0	sidepump
4086	0.043430	-0.402531	-0.768417	-29.296875	19.531250	-97.656250	2.0	sidepump
4087	-0.130192	-0.566518	-0.611050	87.890625	-105.468750	-91.796875	2.0	sidepump
4088	-0.209365	-0.683661	-0.754130	179.687500	-158.203125	-64.453125	2.0	sidepump
4089	-0.481869	-1.016447	-1.114978	246.093750	-187.500000	-70.312500	2.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4090	-0.582872	-1.047368	-1.468987	248.046875	-250.000000	-46.875000	2.0	sidepump
4091	-0.387223	-0.778421	-1.287642	134.765625	-185.546875	-33.203125	2.0	sidepump
4092	-0.157334	-0.667052	-0.766335	44.921875	-52.734375	-9.765625	2.0	sidepump
4093	-0.088150	-0.725231	-0.328551	27.343750	7.812500	0.000000	2.0	sidepump
4094	-0.102890	-0.753889	-0.028381	15.625000	3.906250	3.906250	2.0	sidepump
4095	-0.111734	-0.796083	0.164222	1.953125	3.906250	-1.953125	2.0	sidepump
4096	-0.117040	-0.821400	0.267283	3.906250	0.000000	0.000000	2.0	sidepump
4097	-0.113974	-0.836590	0.329120	-1.953125	1.953125	1.953125	2.0	sidepump
4098	-0.130885	-0.858204	0.372472	1.953125	1.953125	3.906250	2.0	sidepump
4099	-0.134781	-0.852422	0.392233	1.953125	0.000000	1.953125	2.0	sidepump
4100	-0.137118	-0.861453	0.397840	-3.906250	-1.953125	-1.953125	2.0	sidepump
4101	-0.132271	-0.873122	0.401204	-1.953125	-1.953125	-1.953125	2.0	sidepump
4102	-0.135613	-0.873873	0.403222	0.000000	1.953125	0.000000	2.0	sidepump
4103	-0.137618	-0.868074	0.404433	-1.953125	1.953125	1.953125	2.0	sidepump
4104	-0.145071	-0.877094	0.417660	-1.953125	0.000000	0.000000	2.0	sidepump
4105	-0.130792	-0.870007	0.413096	-3.906250	1.953125	0.000000	2.0	sidepump
4106	-0.128475	-0.872004	0.410358	-7.812500	7.812500	0.000000	2.0	sidepump
4107	-0.139585	-0.873202	0.402465	-9.765625	11.718750	0.000000	2.0	sidepump
4108	-0.140001	-0.861421	0.378979	-15.625000	17.578125	0.000000	2.0	sidepump
4109	-0.146501	-0.860603	0.346137	-25.390625	29.296875	0.000000	2.0	sidepump
4110	-0.131650	-0.785112	0.245182	-46.875000	48.828125	11.718750	2.0	sidepump
4111	-0.141490	-0.752317	0.072109	-83.984375	107.421875	11.718750	2.0	sidepump
4112	-0.191144	-0.732640	-0.156734	-126.953125	142.578125	41.015625	2.0	sidepump
4113	-0.252186	-0.683334	-0.412791	-189.453125	187.500000	-7.812500	2.0	sidepump
4114	-0.226312	-0.541250	-0.760174	-212.890625	248.046875	27.343750	2.0	sidepump
4115	-0.142037	-0.531000	-1.212355	-250.000000	169.921875	125.000000	2.0	sidepump
4116	0.008528	-0.674850	-1.139913	-87.890625	-50.781250	-27.343750	2.0	sidepump
4117	0.167617	-0.479910	-1.133948	121.093750	31.250000	33.203125	2.0	sidepump
4118	0.231820	-0.262946	-1.017869	50.781250	-5.859375	82.031250	2.0	sidepump
4119	0.339092	-0.245268	-1.004471	-17.578125	7.812500	-21.484375	2.0	sidepump
4120	0.397205	-0.215911	-0.983933	5.859375	11.718750	-23.437500	2.0	sidepump
4121	0.413323	-0.198296	-0.965360	3.906250	-5.859375	-1.953125	0.0	sidepump
4122	0.410494	-0.200228	-0.960466	0.000000	-3.906250	-9.765625	0.0	sidepump
4123	0.408796	-0.201387	-0.957529	1.953125	-1.953125	-1.953125	0.0	sidepump
4124	0.414028	-0.202082	-0.955768	3.906250	0.000000	-5.859375	0.0	sidepump
4125	0.417167	-0.202499	-0.954711	3.906250	-1.953125	-1.953125	0.0	sidepump
4126	0.412800	-0.196500	-0.954076	0.000000	-1.953125	-1.953125	0.0	sidepump
4127	0.410180	-0.199150	-0.953696	-3.906250	-1.953125	-1.953125	0.0	sidepump

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4128	0.408608	-0.206990	-0.953467	-1.953125	0.000000	0.000000	0.0	sidepump
4129	0.411206	-0.237639	-0.937822	0.000000	0.000000	17.578125	1.0	wipetable
4130	0.415473	-0.242583	-0.937693	-1.953125	-1.953125	1.953125	1.0	wipetable
4131	0.411784	-0.245550	-0.937616	-1.953125	0.000000	3.906250	1.0	wipetable
4132	0.409570	-0.259830	-0.937570	-1.953125	-3.906250	0.000000	1.0	wipetable
4133	0.408242	-0.262148	-0.937542	0.000000	0.000000	-1.953125	1.0	wipetable
4134	0.401195	-0.257289	-0.943775	0.000000	0.000000	0.000000	1.0	wipetable
4135	0.409467	-0.260623	-0.947515	1.953125	0.000000	1.953125	1.0	wipetable
4136	0.433180	-0.325124	-0.981009	15.625000	-5.859375	-1.953125	1.0	wipetable
4137	0.528658	-0.532574	-1.094855	97.656250	-3.906250	-15.625000	2.0	wipetable
4138	0.573445	-0.713295	-1.113163	162.109375	13.671875	9.765625	2.0	wipetable
4139	0.475317	-0.902977	-0.874148	222.656250	21.484375	-3.906250	2.0	wipetable
4140	0.391440	-0.729286	-0.511989	248.046875	64.453125	-138.671875	2.0	wipetable
4141	0.697364	-0.225072	-0.407193	68.359375	103.515625	-144.531250	2.0	wipetable
4142	0.880918	-0.141293	-0.713066	-185.546875	60.546875	-115.234375	2.0	wipetable
4143	0.747301	-0.503526	-0.802840	-82.031250	72.265625	29.296875	2.0	wipetable
4144	0.467131	-0.933365	-0.406704	21.484375	-29.296875	76.171875	2.0	wipetable
4145	0.399028	-1.153769	0.168478	128.906250	-154.296875	101.562500	2.0	wipetable
4146	0.751917	-0.786012	0.394837	185.546875	-85.937500	3.906250	2.0	wipetable
4147	1.119900	-0.227857	0.230652	-60.546875	44.921875	-74.218750	2.0	wipetable
4148	1.271940	-0.261714	-0.349109	-224.609375	99.609375	-119.140625	2.0	wipetable
4149	0.994414	-0.632028	-0.603215	-105.468750	93.750000	7.812500	2.0	wipetable
4150	0.565398	-1.022967	-0.355679	35.156250	-31.250000	37.109375	2.0	wipetable
4151	0.395489	-1.238780	0.199092	103.515625	-177.734375	70.312500	2.0	wipetable
4152	0.737293	-0.874518	0.338205	230.468750	-87.890625	3.906250	2.0	wipetable
4153	1.098626	-0.287211	0.309173	-5.859375	41.015625	-31.250000	2.0	wipetable
4154	1.340426	-0.084827	-0.251996	-216.796875	58.593750	-105.468750	2.0	wipetable
4155	1.091755	-0.488396	-0.626198	-130.859375	93.750000	-56.640625	2.0	wipetable
4156	0.711303	-0.861788	-0.475719	25.390625	-29.296875	39.062500	2.0	wipetable
4157	0.464282	-1.298323	0.220819	66.406250	-109.375000	115.234375	2.0	wipetable
4158	0.616069	-0.978994	0.413741	236.328125	-101.562500	42.968750	2.0	wipetable
4159	1.057141	-0.412396	0.385745	31.250000	33.203125	-54.687500	2.0	wipetable
4160	1.428035	-0.284938	-0.199803	-185.546875	89.843750	-111.328125	2.0	wipetable
4161	1.069321	-0.664713	-0.526132	-117.187500	95.703125	-44.921875	2.0	wipetable
4162	0.485343	-1.067578	-0.290679	23.437500	-64.453125	-9.765625	2.0	wipetable
4163	0.497456	-1.265547	0.294343	101.562500	-191.406250	87.890625	2.0	wipetable
4164	0.810973	-0.878078	0.439106	197.265625	-74.218750	33.203125	2.0	wipetable
4165	1.280334	-0.295597	0.225963	-13.671875	87.890625	-121.093750	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4166	1.305700	-0.196108	-0.295672	-246.093750	103.515625	-66.406250	2.0	wipetable
4167	0.827170	-0.461415	-0.514903	-191.406250	105.468750	56.640625	2.0	wipetable
4168	0.383802	-0.683099	-0.446442	-80.078125	-3.906250	134.765625	2.0	wipetable
4169	0.080281	-0.659859	-0.342865	-134.765625	-66.406250	66.406250	2.0	wipetable
4170	-0.026831	-0.783416	-0.461969	-248.046875	-111.328125	66.406250	2.0	wipetable
4171	0.052651	-0.745049	-0.783431	-250.000000	-19.531250	9.765625	2.0	wipetable
4172	0.825341	-1.247030	-1.270059	-150.390625	-66.406250	-70.312500	2.0	wipetable
4173	0.520204	-1.004468	-1.180785	0.000000	39.062500	-125.000000	2.0	wipetable
4174	0.412123	-0.615181	-1.133471	44.921875	29.296875	-91.796875	2.0	wipetable
4175	0.297274	-0.419108	-1.036333	0.000000	33.203125	35.156250	2.0	wipetable
4176	0.259614	-0.370215	-1.015550	-31.250000	-19.531250	-13.671875	2.0	wipetable
4177	0.355768	-0.378379	-1.034330	-5.859375	-58.593750	-46.875000	2.0	wipetable
4178	0.369711	-0.302027	-1.001848	7.812500	13.671875	5.859375	2.0	wipetable
4179	0.334327	-0.287466	-0.994859	-3.906250	13.671875	-9.765625	0.0	wipetable
4180	0.300596	-0.266230	-0.984415	-7.812500	1.953125	3.906250	0.0	wipetable
4181	0.317858	-0.278488	-0.984399	-3.906250	-3.906250	7.812500	0.0	wipetable
4182	0.321965	-0.273343	-0.984389	1.953125	0.000000	1.953125	0.0	wipetable
4183	0.311929	-0.257756	-0.984384	1.953125	1.953125	1.953125	0.0	wipetable
4184	0.328133	-0.250494	-0.968750	0.000000	0.000000	0.000000	1.0	wipetable
4185	0.328130	-0.250297	-0.968750	-1.953125	-1.953125	0.000000	1.0	wipetable
4186	0.328128	-0.250178	-0.968750	0.000000	0.000000	-1.953125	1.0	wipetable
4187	0.328127	-0.250107	-0.968750	0.000000	0.000000	0.000000	1.0	wipetable
4188	0.328126	-0.256314	-0.968750	0.000000	-1.953125	0.000000	1.0	wipetable
4189	0.340626	-0.297538	-1.000000	11.718750	-5.859375	-9.765625	1.0	wipetable
4190	0.366875	-0.491023	-1.143750	87.890625	-35.156250	-35.156250	1.0	wipetable
4191	0.313875	-0.738364	-1.217500	175.781250	-74.218750	-5.859375	0.0	wipetable
4192	0.257075	-0.943018	-0.936750	248.046875	-72.265625	-74.218750	2.0	wipetable
4193	0.435495	-0.772061	-0.580800	248.046875	60.546875	-250.000000	2.0	wipetable
4194	0.686297	-0.244487	-0.604730	-5.859375	216.796875	-244.140625	2.0	wipetable
4195	0.868028	-0.296692	-0.919088	-218.750000	41.015625	-167.968750	2.0	wipetable
4196	0.670817	-0.621765	-0.870203	-33.203125	50.781250	31.250000	2.0	wipetable
4197	0.371240	-1.023059	-0.309622	7.812500	-29.296875	56.640625	2.0	wipetable
4198	0.428994	-1.126335	0.182977	144.531250	-160.156250	83.984375	2.0	wipetable
4199	0.844896	-0.644551	0.366036	177.734375	-50.781250	-15.625000	2.0	wipetable
4200	1.138188	-0.136731	0.213372	-68.359375	74.218750	-72.265625	2.0	wipetable
4201	1.357913	-0.200788	-0.321977	-195.312500	123.046875	-83.984375	2.0	wipetable
4202	1.002248	-0.551723	-0.543186	-123.046875	91.796875	-68.359375	2.0	wipetable
4203	0.470099	-1.049784	-0.388412	41.015625	-44.921875	7.812500	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4204	0.363309	-1.198620	0.198203	103.515625	-207.031250	87.890625	2.0	wipetable
4205	0.742985	-0.775422	0.418922	216.796875	-85.937500	23.437500	2.0	wipetable
4206	1.170791	-0.252753	0.376353	-35.156250	44.921875	-35.156250	2.0	wipetable
4207	1.396225	-0.157902	-0.286688	-208.984375	103.515625	-91.796875	2.0	wipetable
4208	1.081485	-0.507241	-0.559513	-109.375000	85.937500	-123.046875	2.0	wipetable
4209	0.642641	-0.985595	-0.423208	50.781250	-9.765625	33.203125	2.0	wipetable
4210	0.391835	-1.203857	0.239825	109.375000	-146.484375	109.375000	2.0	wipetable
4211	0.697601	-0.816064	0.437645	224.609375	-76.171875	52.734375	2.0	wipetable
4212	1.162310	-0.270888	0.400087	-13.671875	54.687500	-41.015625	2.0	wipetable
4213	1.391136	-0.168783	-0.228698	-224.609375	64.453125	-66.406250	2.0	wipetable
4214	1.040932	-0.513770	-0.512219	-126.953125	93.750000	-119.140625	2.0	wipetable
4215	0.643309	-0.989512	-0.401081	37.109375	-54.687500	17.578125	2.0	wipetable
4216	0.460985	-1.218707	0.209351	121.093750	-166.015625	91.796875	2.0	wipetable
4217	0.801591	-0.743724	0.419361	228.515625	-82.031250	21.484375	2.0	wipetable
4218	1.255955	-0.221235	0.357866	1.953125	82.031250	-72.265625	2.0	wipetable
4219	1.466073	-0.101491	-0.185280	-216.796875	82.031250	-95.703125	2.0	wipetable
4220	1.210894	-0.367144	-0.467418	-169.921875	107.421875	-54.687500	2.0	wipetable
4221	0.795286	-0.664037	-0.405451	-83.984375	46.875000	23.437500	2.0	wipetable
4222	0.508422	-0.842172	-0.212021	-82.031250	-3.906250	44.921875	2.0	wipetable
4223	0.236303	-0.824053	-0.077212	-93.750000	-58.593750	99.609375	2.0	wipetable
4224	0.116782	-0.738182	-0.108827	-146.484375	-134.765625	97.656250	2.0	wipetable
4225	0.076319	-0.736659	-0.415296	-203.125000	-91.796875	35.156250	2.0	wipetable
4226	0.183291	-0.735745	-0.824178	-218.750000	-29.296875	-117.187500	0.0	wipetable
4227	0.503725	-0.828947	-1.163257	42.968750	95.703125	-109.375000	0.0	wipetable
4228	0.502235	-0.572368	-1.154204	50.781250	-58.593750	-37.109375	0.0	wipetable
4229	0.370091	-0.387171	-1.030022	11.718750	64.453125	-1.953125	0.0	wipetable
4230	0.297055	-0.319803	-0.980513	-46.875000	19.531250	52.734375	0.0	wipetable
4231	0.386348	-0.247064	-0.953105	-1.953125	0.000000	0.000000	1.0	wipetable
4232	0.388059	-0.248238	-0.953113	0.000000	-1.953125	0.000000	1.0	wipetable
4233	0.389085	-0.248943	-0.953118	0.000000	-1.953125	-1.953125	1.0	wipetable
4234	0.389701	-0.249366	-0.953121	0.000000	0.000000	-3.906250	1.0	wipetable
4235	0.390071	-0.249619	-0.953122	0.000000	0.000000	-1.953125	1.0	wipetable
4236	0.390292	-0.249772	-0.953123	1.953125	0.000000	-1.953125	1.0	wipetable
4237	0.402925	-0.312363	-0.984374	17.578125	-7.812500	1.953125	1.0	wipetable
4238	0.435505	-0.481168	-1.121874	105.468750	-23.437500	-33.203125	1.0	wipetable
4239	0.423803	-0.701201	-1.179375	156.250000	-33.203125	-13.671875	2.0	wipetable
4240	0.335532	-0.926970	-0.951375	238.281250	-44.921875	-50.781250	2.0	wipetable
4241	0.463819	-0.831182	-0.602075	248.046875	13.671875	-164.062500	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4242	0.722041	-0.186209	-0.417495	76.171875	193.359375	-183.593750	2.0	wipetable
4243	0.989475	0.019524	-0.856747	-228.515625	83.984375	-183.593750	2.0	wipetable
4244	0.812435	-0.407035	-0.939048	-109.375000	78.125000	31.250000	2.0	wipetable
4245	0.462461	-0.850471	-0.619679	-27.343750	-33.203125	50.781250	2.0	wipetable
4246	0.189977	-1.210283	-0.003057	58.593750	-156.250000	95.703125	2.0	wipetable
4247	0.563986	-1.013670	0.223166	201.171875	-173.828125	41.015625	2.0	wipetable
4248	1.057142	-0.414452	0.308899	25.390625	35.156250	-35.156250	2.0	wipetable
4249	1.340535	-0.229921	-0.245910	-156.250000	130.859375	-117.187500	2.0	wipetable
4250	1.148071	-0.606703	-0.578796	-150.390625	83.984375	-68.359375	2.0	wipetable
4251	0.657593	-0.932772	-0.547278	29.296875	3.906250	-19.531250	2.0	wipetable
4252	0.294556	-1.159663	0.034133	42.968750	-115.234375	21.484375	2.0	wipetable
4253	0.607983	-1.039548	0.301730	210.937500	-144.531250	62.500000	2.0	wipetable
4254	1.014790	-0.504979	0.437288	93.750000	-9.765625	9.765625	2.0	wipetable
4255	1.315124	-0.202987	-0.037627	-125.000000	126.953125	-136.718750	2.0	wipetable
4256	1.201574	-0.465542	-0.522576	-218.750000	87.890625	-60.546875	2.0	wipetable
4257	0.745945	-0.848075	-0.619796	-58.593750	25.390625	27.343750	2.0	wipetable
4258	0.366317	-1.152595	-0.246877	54.687500	-72.265625	27.343750	2.0	wipetable
4259	0.476040	-1.166557	0.208124	150.390625	-183.593750	48.828125	2.0	wipetable
4260	0.873124	-0.712434	0.387374	166.015625	-64.453125	-11.718750	2.0	wipetable
4261	1.261374	-0.327461	0.132424	-74.218750	103.515625	-62.500000	2.0	wipetable
4262	1.313075	-0.271476	-0.433045	-220.703125	115.234375	-66.406250	2.0	wipetable
4263	0.894095	-0.650386	-0.647327	-74.218750	76.171875	-23.437500	2.0	wipetable
4264	0.523957	-1.027731	-0.357146	27.343750	-44.921875	29.296875	2.0	wipetable
4265	0.389374	-1.235389	0.123212	115.234375	-171.875000	85.937500	2.0	wipetable
4266	0.839874	-0.834983	0.298927	222.656250	-132.812500	5.859375	2.0	wipetable
4267	1.285175	-0.275990	0.235606	-41.015625	93.750000	-89.843750	2.0	wipetable
4268	1.346105	-0.178094	-0.302386	-218.750000	130.859375	-74.218750	2.0	wipetable
4269	1.082663	-0.369356	-0.512682	-187.500000	95.703125	15.625000	2.0	wipetable
4270	0.680848	-0.671614	-0.457609	-72.265625	50.781250	37.109375	2.0	wipetable
4271	0.452259	-0.852968	-0.324565	-50.781250	-17.578125	1.953125	2.0	wipetable
4272	0.327605	-0.893031	-0.232239	-50.781250	-52.734375	17.578125	2.0	wipetable
4273	0.252813	-0.804569	-0.245594	-97.656250	-111.328125	35.156250	2.0	wipetable
4274	0.301688	-0.757741	-0.372356	-144.531250	-167.968750	42.968750	2.0	wipetable
4275	0.331013	-0.823395	-0.573414	-166.015625	-85.937500	-35.156250	2.0	wipetable
4276	0.342358	-0.725287	-0.837798	-199.218750	-87.890625	78.125000	0.0	wipetable
4277	0.455415	-0.722672	-0.996429	33.203125	91.796875	-25.390625	0.0	wipetable
4278	0.466999	-0.502353	-1.016607	44.921875	-68.359375	-87.890625	0.0	wipetable
4279	0.380199	-0.376412	-0.959964	-11.718750	44.921875	15.625000	0.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4280	0.309370	-0.313347	-0.969729	-29.296875	27.343750	21.484375	0.0	wipetable
4281	0.348731	-0.258573	-0.962279	3.906250	0.000000	-9.765625	1.0	wipetable
4282	0.346739	-0.242644	-0.958618	-3.906250	0.000000	5.859375	1.0	wipetable
4283	0.345543	-0.258086	-0.962671	-1.953125	0.000000	5.859375	1.0	wipetable
4284	0.344826	-0.261102	-0.965102	-1.953125	0.000000	3.906250	1.0	wipetable
4285	0.350646	-0.256661	-0.960311	0.000000	0.000000	0.000000	1.0	wipetable
4286	0.347887	-0.260247	-0.957437	-1.953125	0.000000	0.000000	1.0	wipetable
4287	0.346232	-0.262398	-0.961962	-1.953125	0.000000	0.000000	1.0	wipetable
4288	0.357739	-0.282439	-0.977177	1.953125	-3.906250	-3.906250	1.0	wipetable
4289	0.470894	-0.538213	-1.130056	74.218750	-23.437500	-64.453125	2.0	wipetable
4290	0.532536	-0.710428	-1.234284	189.453125	25.390625	15.625000	2.0	wipetable
4291	0.369522	-0.926257	-0.946820	232.421875	-25.390625	0.000000	2.0	wipetable
4292	0.334213	-0.837004	-0.549342	248.046875	-5.859375	-144.531250	2.0	wipetable
4293	0.600528	-0.302202	-0.292105	83.984375	111.328125	-191.406250	2.0	wipetable
4294	0.929067	-0.056321	-0.681513	-175.781250	119.140625	-171.875000	2.0	wipetable
4295	0.794940	-0.340043	-0.821408	-154.296875	74.218750	-31.250000	2.0	wipetable
4296	0.564464	-0.691526	-0.611595	9.765625	-11.718750	48.828125	2.0	wipetable
4297	0.357428	-1.008665	-0.041957	39.062500	-89.843750	72.265625	2.0	wipetable
4298	0.483207	-0.992699	0.299826	191.406250	-164.062500	66.406250	2.0	wipetable
4299	0.883674	-0.520620	0.536146	128.906250	-54.687500	-19.531250	2.0	wipetable
4300	1.205205	-0.162372	0.177937	-82.031250	105.468750	-138.671875	2.0	wipetable
4301	1.279373	-0.309923	-0.430738	-234.375000	121.093750	-27.343750	2.0	wipetable
4302	0.886374	-0.735954	-0.620943	-89.843750	91.796875	-13.671875	2.0	wipetable
4303	0.463074	-1.122822	-0.353816	11.718750	-15.625000	29.296875	2.0	wipetable
4304	0.334095	-1.254943	0.125211	107.421875	-187.500000	91.796875	2.0	wipetable
4305	0.787957	-0.859216	0.381376	195.312500	-121.093750	21.484375	2.0	wipetable
4306	1.241524	-0.421780	0.328826	-3.906250	93.750000	-35.156250	2.0	wipetable
4307	1.351164	-0.340568	-0.277704	-181.640625	130.859375	-46.875000	2.0	wipetable
4308	0.991949	-0.598091	-0.504123	-80.078125	91.796875	-95.703125	2.0	wipetable
4309	0.557669	-0.921354	-0.371224	13.671875	-17.578125	25.390625	2.0	wipetable
4310	0.284602	-1.165313	0.196016	39.062500	-148.437500	103.515625	2.0	wipetable
4311	0.489511	-1.005438	0.417609	179.687500	-125.000000	41.015625	2.0	wipetable
4312	0.993707	-0.672013	0.494316	44.921875	-27.343750	1.953125	2.0	wipetable
4313	1.302474	-0.365708	-0.059661	-119.140625	160.156250	-72.265625	2.0	wipetable
4314	1.112734	-0.650675	-0.417046	-156.250000	134.765625	-99.609375	2.0	wipetable
4315	0.623891	-1.009155	-0.456478	7.812500	5.859375	-23.437500	2.0	wipetable
4316	0.230584	-1.192993	-0.048887	50.781250	-125.000000	46.875000	2.0	wipetable
4317	0.463351	-1.159546	0.283168	169.921875	-158.203125	41.015625	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4318	0.940510	-0.645727	0.438651	144.531250	-72.265625	7.812500	2.0	wipetable
4319	1.289306	-0.249936	0.113190	-95.703125	125.000000	-85.937500	2.0	wipetable
4320	1.211084	-0.331212	-0.350836	-191.406250	166.015625	-31.250000	2.0	wipetable
4321	0.889150	-0.629977	-0.460501	-109.375000	103.515625	-19.531250	2.0	wipetable
4322	0.520990	-0.890486	-0.282551	-29.296875	27.343750	-21.484375	2.0	wipetable
4323	0.237594	-0.990542	-0.138281	-5.859375	-62.500000	29.296875	2.0	wipetable
4324	0.248806	-0.881825	0.010782	-9.765625	-140.625000	97.656250	2.0	wipetable
4325	0.268034	-0.666595	0.025219	-91.796875	-93.750000	99.609375	2.0	wipetable
4326	0.310820	-0.587457	-0.216119	-232.421875	-101.562500	37.109375	2.0	wipetable
4327	0.348992	-0.552474	-0.635921	-250.000000	-11.718750	-83.984375	2.0	wipetable
4328	0.271895	-0.443985	-1.181553	-250.000000	-111.328125	9.765625	2.0	wipetable
4329	0.256887	-0.553891	-1.233932	70.312500	37.109375	-85.937500	2.0	wipetable
4330	0.216632	-0.357334	-1.134109	11.718750	46.875000	-44.921875	2.0	wipetable
4331	0.211229	-0.295651	-1.055465	17.578125	35.156250	-50.781250	2.0	wipetable
4332	0.245488	-0.246140	-1.027029	25.390625	-1.953125	5.859375	2.0	wipetable
4333	0.322293	-0.241434	-0.991218	9.765625	-27.343750	-21.484375	2.0	wipetable
4334	0.387126	-0.226111	-0.982231	1.953125	0.000000	-19.531250	0.0	wipetable
4335	0.401025	-0.229416	-0.976838	-1.953125	5.859375	-17.578125	0.0	wipetable
4336	0.378115	-0.218900	-0.961103	-5.859375	7.812500	-17.578125	0.0	wipetable
4337	0.408119	-0.225090	-0.951662	5.859375	19.531250	-42.968750	0.0	wipetable
4338	0.438621	-0.203804	-0.927247	-11.718750	21.484375	-31.250000	0.0	wipetable
4339	0.328093	-0.305344	-0.953136	0.000000	-1.953125	-3.906250	1.0	wipetable
4340	0.328106	-0.308207	-0.953132	-1.953125	-1.953125	-1.953125	1.0	wipetable
4341	0.328113	-0.309924	-0.953129	0.000000	-1.953125	-3.906250	1.0	wipetable
4342	0.328118	-0.310954	-0.953127	0.000000	-1.953125	-3.906250	1.0	wipetable
4343	0.328121	-0.317823	-0.959376	0.000000	-1.953125	-5.859375	1.0	wipetable
4344	0.340622	-0.321944	-0.969376	9.765625	-3.906250	-9.765625	1.0	wipetable
4345	0.385623	-0.393166	-1.025376	27.343750	-17.578125	-11.718750	1.0	wipetable
4346	0.450124	-0.498400	-1.108975	97.656250	-9.765625	-37.109375	1.0	wipetable
4347	0.413824	-0.680290	-1.096635	113.281250	-9.765625	-7.812500	2.0	wipetable
4348	0.254545	-0.989424	-0.951731	197.265625	-60.546875	-74.218750	2.0	wipetable
4349	0.333977	-0.831154	-0.614789	248.046875	-19.531250	-109.375000	2.0	wipetable
4350	0.750386	-0.361193	-0.381373	82.031250	150.390625	-183.593750	2.0	wipetable
4351	1.043982	-0.166716	-0.835074	-177.734375	179.687500	-113.281250	2.0	wipetable
4352	0.788889	-0.487529	-0.907294	-113.281250	125.000000	-85.937500	2.0	wipetable
4353	0.467083	-0.886268	-0.644377	-5.859375	-13.671875	41.015625	2.0	wipetable
4354	0.217750	-1.069261	-0.092876	5.859375	-87.890625	29.296875	2.0	wipetable
4355	0.299400	-1.041556	0.313024	121.093750	-173.828125	27.343750	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4356	0.660890	-0.762434	0.450315	148.437500	-87.890625	5.859375	2.0	wipetable
4357	1.109034	-0.332460	0.426439	-9.765625	68.359375	-78.125000	2.0	wipetable
4358	1.284170	-0.180726	-0.194137	-226.562500	111.328125	-64.453125	2.0	wipetable
4359	1.083002	-0.545936	-0.553982	-179.687500	68.359375	-97.656250	2.0	wipetable
4360	0.699801	-0.927561	-0.544889	35.156250	17.578125	33.203125	2.0	wipetable
4361	0.319881	-1.150287	-0.008184	85.937500	-99.609375	37.109375	2.0	wipetable
4362	0.541928	-0.946422	0.301340	207.031250	-177.734375	62.500000	2.0	wipetable
4363	1.062657	-0.380353	0.462054	85.937500	9.765625	13.671875	2.0	wipetable
4364	1.300094	-0.059462	0.008482	-150.390625	115.234375	-85.937500	2.0	wipetable
4365	1.192557	-0.435677	-0.501161	-210.937500	103.515625	-41.015625	2.0	wipetable
4366	0.784284	-0.736406	-0.563196	-60.546875	54.687500	25.390625	2.0	wipetable
4367	0.358070	-1.098094	-0.219168	-3.906250	-60.546875	35.156250	2.0	wipetable
4368	0.227342	-1.308856	0.205999	105.468750	-162.109375	80.078125	2.0	wipetable
4369	0.548905	-1.097814	0.279850	205.078125	-162.109375	-3.906250	2.0	wipetable
4370	1.060593	-0.571188	0.336660	70.312500	21.484375	-50.781250	2.0	wipetable
4371	1.261356	-0.292713	-0.035504	-154.296875	105.468750	-93.750000	2.0	wipetable
4372	1.131814	-0.588128	-0.415052	-166.015625	101.562500	-121.093750	2.0	wipetable
4373	0.766588	-0.809127	-0.449031	-37.109375	56.640625	23.437500	2.0	wipetable
4374	0.328703	-1.097976	-0.044419	-23.437500	-56.640625	25.390625	2.0	wipetable
4375	0.284722	-1.265036	0.348349	128.906250	-171.875000	119.140625	2.0	wipetable
4376	0.789583	-0.959021	0.434009	214.843750	-119.140625	13.671875	2.0	wipetable
4377	1.236250	-0.437913	0.429156	23.437500	78.125000	-97.656250	2.0	wipetable
4378	1.310500	-0.281498	-0.086257	-203.125000	115.234375	-82.031250	2.0	wipetable
4379	1.048800	-0.493899	-0.383004	-166.015625	93.750000	-72.265625	2.0	wipetable
4380	0.673030	-0.715089	-0.329802	-68.359375	44.921875	-7.812500	2.0	wipetable
4381	0.410068	-0.941554	-0.116631	-62.500000	-58.593750	-15.625000	2.0	wipetable
4382	0.383541	-1.058682	0.073771	9.765625	-62.500000	50.781250	2.0	wipetable
4383	0.361374	-0.853959	0.106763	-25.390625	-101.562500	97.656250	2.0	wipetable
4384	0.366825	-0.699876	-0.035942	-125.000000	-126.953125	60.546875	2.0	wipetable
4385	0.401345	-0.613675	-0.340315	-220.703125	-125.000000	13.671875	2.0	wipetable
4386	0.453307	-0.593205	-0.766689	-250.000000	-132.812500	-101.562500	2.0	wipetable
4387	0.615734	-0.962173	-1.147514	-48.828125	-3.906250	248.046875	2.0	wipetable
4388	0.419440	-0.721054	-1.138508	19.531250	19.531250	-134.765625	2.0	wipetable
4389	0.320414	-0.520132	-1.058105	13.671875	29.296875	19.531250	2.0	wipetable
4390	0.235999	-0.424579	-1.016113	3.906250	9.765625	19.531250	2.0	wipetable
4391	0.229099	-0.360998	-0.990918	-5.859375	-25.390625	-25.390625	2.0	wipetable
4392	0.287459	-0.329099	-0.982051	5.859375	3.906250	-15.625000	2.0	wipetable
4393	0.284976	-0.322459	-0.976730	-1.953125	-5.859375	-1.953125	0.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4394	0.258485	-0.312225	-0.973538	-1.953125	-5.859375	-5.859375	0.0	wipetable
4395	0.261341	-0.312335	-0.971623	0.000000	-1.953125	-11.718750	0.0	wipetable
4396	0.269305	-0.293651	-0.970474	0.000000	-1.953125	-1.953125	0.0	wipetable
4397	0.261583	-0.301191	-0.969784	-1.953125	-1.953125	3.906250	0.0	wipetable
4398	0.271915	-0.317744	-0.967403	0.000000	-1.953125	-9.765625	1.0	wipetable
4399	0.269399	-0.296896	-0.961692	-3.906250	-1.953125	3.906250	1.0	wipetable
4400	0.267889	-0.328138	-0.964515	-1.953125	-1.953125	-1.953125	1.0	wipetable
4401	0.266984	-0.309383	-0.966209	0.000000	-1.953125	-13.671875	1.0	wipetable
4402	0.272690	-0.298130	-0.967225	-1.953125	-1.953125	-3.906250	1.0	wipetable
4403	0.276114	-0.303878	-0.967835	-1.953125	-1.953125	3.906250	1.0	wipetable
4404	0.290668	-0.332327	-0.986951	11.718750	3.906250	-9.765625	1.0	wipetable
4405	0.336901	-0.449396	-1.060921	64.453125	15.625000	-15.625000	1.0	wipetable
4406	0.452141	-0.569638	-1.130302	138.671875	17.578125	-25.390625	2.0	wipetable
4407	0.440034	-0.704283	-0.996931	128.906250	39.062500	-33.203125	2.0	wipetable
4408	0.332771	-0.860070	-0.754409	158.203125	1.953125	-17.578125	2.0	wipetable
4409	0.343412	-0.872292	-0.377645	232.421875	-1.953125	-105.468750	2.0	wipetable
4410	0.699797	-0.398375	-0.126587	103.515625	82.031250	-78.125000	2.0	wipetable
4411	1.013628	-0.126525	-0.550952	-156.250000	148.437500	-91.796875	2.0	wipetable
4412	0.801927	-0.413415	-0.743071	-134.765625	119.140625	-46.875000	2.0	wipetable
4413	0.456156	-0.748049	-0.595843	23.437500	29.296875	31.250000	2.0	wipetable
4414	0.198694	-1.023829	-0.045006	35.156250	-72.265625	19.531250	2.0	wipetable
4415	0.331716	-1.083048	0.304247	136.718750	-160.156250	50.781250	2.0	wipetable
4416	0.705280	-0.712329	0.463798	185.546875	-64.453125	19.531250	2.0	wipetable
4417	1.035668	-0.302397	0.415779	-39.062500	66.406250	-44.921875	2.0	wipetable
4418	1.221401	-0.243938	-0.119283	-189.453125	105.468750	-56.640625	2.0	wipetable
4419	0.951590	-0.602613	-0.409070	-130.859375	93.750000	-76.171875	2.0	wipetable
4420	0.539704	-0.980318	-0.307942	-21.484375	-72.265625	0.000000	2.0	wipetable
4421	0.317573	-1.169441	0.183985	42.968750	-146.484375	54.687500	2.0	wipetable
4422	0.565544	-1.007914	0.366641	205.078125	-121.093750	29.296875	2.0	wipetable
4423	0.951826	-0.517249	0.457485	105.468750	-13.671875	5.859375	2.0	wipetable
4424	1.189846	-0.216599	0.118241	-103.515625	126.953125	-103.515625	2.0	wipetable
4425	1.176407	-0.454960	-0.316556	-185.546875	140.625000	-48.828125	2.0	wipetable
4426	0.712094	-0.829226	-0.421183	-50.781250	50.781250	5.859375	2.0	wipetable
4427	0.271007	-1.135035	-0.077710	5.859375	-83.984375	5.859375	2.0	wipetable
4428	0.312604	-1.281021	0.347124	105.468750	-169.921875	66.406250	2.0	wipetable
4429	0.625062	-0.912363	0.439524	199.218750	-87.890625	21.484375	2.0	wipetable
4430	1.031287	-0.516168	0.407465	23.437500	42.968750	-35.156250	2.0	wipetable
4431	1.225022	-0.334701	-0.024271	-160.156250	111.328125	-91.796875	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4432	1.091263	-0.582070	-0.320813	-175.781250	93.750000	-95.703125	2.0	wipetable
4433	0.642258	-0.999242	-0.367488	-44.921875	19.531250	1.953125	2.0	wipetable
4434	0.235355	-1.255795	-0.020493	25.390625	-125.000000	3.906250	2.0	wipetable
4435	0.497463	-1.303477	0.237704	154.296875	-214.843750	76.171875	2.0	wipetable
4436	0.948478	-0.807086	0.317623	197.265625	-68.359375	29.296875	2.0	wipetable
4437	1.225337	-0.465502	0.178074	3.906250	119.140625	-97.656250	2.0	wipetable
4438	1.291452	-0.404301	-0.199406	-167.968750	134.765625	-80.078125	2.0	wipetable
4439	1.056121	-0.592581	-0.325894	-123.046875	113.281250	-64.453125	2.0	wipetable
4440	0.708673	-0.780548	-0.164286	-64.453125	54.687500	-27.343750	2.0	wipetable
4441	0.456454	-0.955829	0.101428	-37.109375	-13.671875	-42.968750	2.0	wipetable
4442	0.380122	-0.960997	0.210857	5.859375	-25.390625	19.531250	2.0	wipetable
4443	0.359323	-0.764098	0.214014	-19.531250	-74.218750	56.640625	2.0	wipetable
4444	0.284344	-0.595959	0.109659	-111.328125	-126.953125	99.609375	2.0	wipetable
4445	0.264356	-0.570075	-0.196705	-248.046875	-191.406250	64.453125	2.0	wipetable
4446	0.352364	-0.635795	-0.630523	-242.187500	-130.859375	-23.437500	2.0	wipetable
4447	0.717668	-0.806477	-1.059564	-35.156250	105.468750	218.750000	2.0	wipetable
4448	0.455601	-0.840136	-1.048238	9.765625	19.531250	-5.859375	2.0	wipetable
4449	0.367111	-0.604082	-0.991443	3.906250	-11.718750	-46.875000	2.0	wipetable
4450	0.320266	-0.524949	-0.976116	-1.953125	3.906250	-9.765625	2.0	wipetable
4451	0.310910	-0.471219	-0.948169	5.859375	7.812500	9.765625	2.0	wipetable
4452	0.299046	-0.451482	-0.937652	-1.953125	3.906250	0.000000	2.0	wipetable
4453	0.304428	-0.402139	-0.925091	0.000000	5.859375	3.906250	0.0	wipetable
4454	0.295157	-0.435033	-0.923805	-5.859375	3.906250	15.625000	0.0	wipetable
4455	0.289594	-0.423520	-0.916783	-1.953125	1.953125	-3.906250	0.0	wipetable
4456	0.286256	-0.435362	-0.912570	-3.906250	0.000000	1.953125	0.0	wipetable
4457	0.284254	-0.423717	-0.916292	0.000000	-1.953125	-3.906250	0.0	wipetable
4458	0.278714	-0.407141	-0.928219	0.000000	-3.906250	-13.671875	1.0	wipetable
4459	0.285979	-0.363034	-0.925681	-11.718750	0.000000	0.000000	1.0	wipetable
4460	0.271587	-0.399071	-0.955409	-5.859375	1.953125	3.906250	1.0	wipetable
4461	0.275452	-0.389442	-0.948245	1.953125	-1.953125	-3.906250	1.0	wipetable
4462	0.284021	-0.377415	-0.943947	1.953125	-1.953125	-5.859375	1.0	wipetable
4463	0.282913	-0.376449	-0.941368	0.000000	0.000000	0.000000	1.0	wipetable
4464	0.282248	-0.407120	-0.958571	3.906250	-1.953125	-3.906250	1.0	wipetable
4465	0.269349	-0.525522	-1.025143	39.062500	-29.296875	-27.343750	1.0	wipetable
4466	0.317859	-0.696563	-1.058836	117.187500	-44.921875	-54.687500	2.0	wipetable
4467	0.309466	-0.936688	-0.972801	173.828125	-25.390625	-41.015625	2.0	wipetable
4468	0.185679	-1.074513	-0.752431	248.046875	-29.296875	-95.703125	2.0	wipetable
4469	0.273908	-0.775958	-0.401458	222.656250	9.765625	-177.734375	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4470	0.776845	-0.284325	-0.440875	-25.390625	136.718750	-195.312500	2.0	wipetable
4471	0.847357	-0.220595	-0.777025	-226.562500	103.515625	-130.859375	2.0	wipetable
4472	0.677164	-0.557357	-0.753715	-66.406250	42.968750	31.250000	2.0	wipetable
4473	0.412548	-0.921914	-0.383479	5.859375	-25.390625	72.265625	2.0	wipetable
4474	0.391279	-1.178148	0.107413	68.359375	-158.203125	72.265625	2.0	wipetable
4475	0.653517	-0.894389	0.276948	220.703125	-111.328125	21.484375	2.0	wipetable
4476	1.017110	-0.374133	0.378669	85.937500	-1.953125	-41.015625	2.0	wipetable
4477	1.229016	0.000520	0.052201	-123.046875	101.562500	-123.046875	2.0	wipetable
4478	1.237410	-0.230938	-0.349929	-234.375000	58.593750	-74.218750	2.0	wipetable
4479	0.923696	-0.701063	-0.428708	-78.125000	62.500000	76.171875	2.0	wipetable
4480	0.554218	-0.989388	-0.107225	48.828125	-52.734375	25.390625	2.0	wipetable
4481	0.513781	-1.049883	0.304415	103.515625	-132.812500	56.640625	2.0	wipetable
4482	0.745768	-0.698680	0.451399	169.921875	-89.843750	19.531250	2.0	wipetable
4483	1.103711	-0.244208	0.477089	-21.484375	9.765625	-37.109375	2.0	wipetable
4484	1.255977	-0.052775	-0.019996	-177.734375	89.843750	-60.546875	2.0	wipetable
4485	1.166086	-0.369165	-0.380748	-187.500000	39.062500	-41.015625	2.0	wipetable
4486	0.830902	-0.765249	-0.447199	-7.812500	23.437500	52.734375	2.0	wipetable
4487	0.511041	-1.059149	-0.043319	60.546875	-68.359375	27.343750	2.0	wipetable
4488	0.637875	-0.985490	0.305258	177.734375	-105.468750	19.531250	2.0	wipetable
4489	0.920225	-0.460044	0.470655	126.953125	-13.671875	19.531250	2.0	wipetable
4490	1.139635	-0.119776	0.269893	-72.265625	87.890625	-101.562500	2.0	wipetable
4491	1.258781	-0.103116	-0.181814	-201.171875	50.781250	-52.734375	2.0	wipetable
4492	1.017769	-0.361869	-0.390339	-103.515625	74.218750	-50.781250	2.0	wipetable
4493	0.691911	-0.835872	-0.252953	19.531250	-31.250000	33.203125	2.0	wipetable
4494	0.527647	-1.070273	0.135728	105.468750	-152.343750	64.453125	2.0	wipetable
4495	0.785338	-0.829664	0.256437	230.468750	-109.375000	19.531250	2.0	wipetable
4496	1.083703	-0.279048	0.347612	117.187500	-3.906250	-9.765625	2.0	wipetable
4497	1.218972	0.001321	0.127317	-117.187500	97.656250	-113.281250	2.0	wipetable
4498	1.175133	-0.030457	-0.204860	-197.265625	93.750000	-11.718750	2.0	wipetable
4499	0.905080	-0.249524	-0.335416	-169.921875	74.218750	76.171875	2.0	wipetable
4500	0.524298	-0.505965	-0.326249	-93.750000	23.437500	115.234375	2.0	wipetable
4501	0.214579	-0.547329	-0.295750	-121.093750	-48.828125	52.734375	2.0	wipetable
4502	0.016247	-0.634647	-0.396200	-205.078125	-87.890625	48.828125	2.0	wipetable
4503	0.040998	-0.768288	-0.581470	-232.421875	-105.468750	-58.593750	2.0	wipetable
4504	0.249599	-0.779723	-0.861382	-175.781250	-48.828125	-64.453125	2.0	wipetable
4505	0.499759	-0.861584	-1.198079	-60.546875	85.937500	195.312500	2.0	wipetable
4506	0.412356	-0.673200	-1.156347	48.828125	31.250000	-142.578125	2.0	wipetable
4507	0.322413	-0.453920	-1.068808	19.531250	7.812500	-5.859375	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4508	0.224698	-0.347352	-1.028785	1.953125	17.578125	0.000000	2.0	wipetable
4509	0.228569	-0.327161	-1.023521	-3.906250	-21.484375	-41.015625	2.0	wipetable
4510	0.374641	-0.252547	-0.976613	9.765625	25.390625	-25.390625	2.0	wipetable
4511	0.381035	-0.232778	-0.973468	5.859375	3.906250	-37.109375	0.0	wipetable
4512	0.341121	-0.214667	-0.965331	1.953125	-15.625000	11.718750	0.0	wipetable
4513	0.335923	-0.241300	-0.979198	0.000000	-13.671875	13.671875	0.0	wipetable
4514	0.357804	-0.226030	-0.968769	0.000000	3.906250	-1.953125	0.0	wipetable
4515	0.352182	-0.223118	-0.968761	-3.906250	-3.906250	5.859375	0.0	wipetable
4516	0.338144	-0.250431	-0.968750	0.000000	-1.953125	-3.906250	1.0	wipetable
4517	0.340386	-0.250259	-0.968750	0.000000	-1.953125	-1.953125	1.0	wipetable
4518	0.341732	-0.250155	-0.968750	0.000000	-1.953125	-1.953125	1.0	wipetable
4519	0.342539	-0.256343	-0.968750	-1.953125	0.000000	-1.953125	1.0	wipetable
4520	0.336773	-0.253806	-0.968750	0.000000	0.000000	0.000000	1.0	wipetable
4521	0.339564	-0.258534	-0.968750	0.000000	0.000000	0.000000	1.0	wipetable
4522	0.347488	-0.280120	-0.987500	5.859375	-3.906250	-1.953125	1.0	wipetable
4523	0.408493	-0.405572	-1.092500	68.359375	-21.484375	-13.671875	1.0	wipetable
4524	0.451346	-0.549593	-1.149250	154.296875	11.718750	-15.625000	2.0	wipetable
4525	0.383308	-0.842256	-1.052050	167.968750	-9.765625	-35.156250	2.0	wipetable
4526	0.204985	-0.930354	-0.824980	246.093750	-74.218750	-44.921875	2.0	wipetable
4527	0.222991	-0.683212	-0.451238	248.046875	-54.687500	-134.765625	2.0	wipetable
4528	0.708794	-0.253677	-0.270743	41.015625	72.265625	-123.046875	2.0	wipetable
4529	1.050277	-0.077206	-0.712446	-205.078125	156.250000	-250.000000	2.0	wipetable
4530	0.836416	-0.521324	-0.896217	-169.921875	103.515625	19.531250	2.0	wipetable
4531	0.426850	-0.856544	-0.600230	25.390625	3.906250	13.671875	2.0	wipetable
4532	0.318610	-1.151427	-0.035138	1.953125	-142.578125	70.312500	2.0	wipetable
4533	0.491166	-1.053356	0.235167	181.640625	-160.156250	60.546875	2.0	wipetable
4534	0.869700	-0.732014	0.359850	148.437500	-56.640625	-15.625000	2.0	wipetable
4535	1.159320	-0.332958	0.265910	-44.921875	93.750000	-113.281250	2.0	wipetable
4536	1.295592	-0.168525	-0.246704	-214.843750	91.796875	-78.125000	2.0	wipetable
4537	1.058605	-0.532365	-0.548022	-134.765625	103.515625	-48.828125	2.0	wipetable
4538	0.597663	-0.900669	-0.391313	3.906250	3.906250	23.437500	2.0	wipetable
4539	0.308598	-1.152901	0.090212	50.781250	-97.656250	31.250000	2.0	wipetable
4540	0.497659	-0.954241	0.335377	199.218750	-146.484375	42.968750	2.0	wipetable
4541	0.898595	-0.441294	0.501226	91.796875	-33.203125	-5.859375	2.0	wipetable
4542	1.189157	-0.089777	0.181986	-144.531250	87.890625	-107.421875	2.0	wipetable
4543	1.282244	-0.197616	-0.384559	-236.328125	93.750000	-46.875000	2.0	wipetable
4544	0.913097	-0.587320	-0.561985	-70.312500	74.218750	62.500000	2.0	wipetable
4545	0.479108	-0.983642	-0.343441	41.015625	-37.109375	37.109375	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4546	0.306215	-1.183935	0.137685	97.656250	-166.015625	72.265625	2.0	wipetable
4547	0.602479	-0.885361	0.301361	224.609375	-132.812500	37.109375	2.0	wipetable
4548	1.011487	-0.456217	0.393317	72.265625	7.812500	-3.906250	2.0	wipetable
4549	1.163142	-0.179980	0.029740	-148.437500	91.796875	-101.562500	2.0	wipetable
4550	1.147885	-0.432988	-0.363406	-199.218750	80.078125	-70.312500	2.0	wipetable
4551	0.769981	-0.791043	-0.411794	-52.734375	56.640625	52.734375	2.0	wipetable
4552	0.405739	-1.093376	-0.097076	7.812500	-85.937500	9.765625	2.0	wipetable
4553	0.405943	-1.212275	0.241754	99.609375	-220.703125	76.171875	2.0	wipetable
4554	0.831066	-0.964865	0.288803	207.031250	-125.000000	15.625000	2.0	wipetable
4555	1.136140	-0.566419	0.285782	62.500000	50.781250	-23.437500	2.0	wipetable
4556	1.206684	-0.346101	-0.047281	-117.187500	128.906250	-103.515625	2.0	wipetable
4557	1.105260	-0.413911	-0.284619	-179.687500	105.468750	-48.828125	2.0	wipetable
4558	0.825656	-0.604597	-0.258271	-128.906250	95.703125	5.859375	2.0	wipetable
4559	0.582894	-0.794008	-0.142463	-87.890625	41.015625	0.000000	2.0	wipetable
4560	0.343486	-0.826405	-0.091728	-87.890625	-17.578125	25.390625	2.0	wipetable
4561	0.137342	-0.695843	-0.092537	-126.953125	-93.750000	72.265625	2.0	wipetable
4562	0.057405	-0.742506	-0.330522	-214.843750	-148.437500	64.453125	2.0	wipetable
4563	0.109443	-0.789253	-0.667063	-212.890625	-126.953125	-5.859375	2.0	wipetable
4564	0.315666	-0.698552	-1.012738	-171.875000	-21.484375	-97.656250	0.0	wipetable
4565	0.414399	-0.775381	-1.051393	-7.812500	99.609375	56.640625	0.0	wipetable
4566	0.411140	-0.583979	-1.062086	35.156250	-48.828125	-121.093750	0.0	wipetable
4567	0.321684	-0.456637	-0.987251	-23.437500	5.859375	-7.812500	0.0	wipetable
4568	0.243010	-0.411482	-0.973601	-19.531250	11.718750	7.812500	0.0	wipetable
4569	0.328012	-0.290791	-0.953806	0.000000	0.000000	-3.906250	1.0	wipetable
4570	0.328057	-0.293225	-0.953533	0.000000	-1.953125	-1.953125	1.0	wipetable
4571	0.328084	-0.294685	-0.953370	0.000000	-1.953125	-3.906250	1.0	wipetable
4572	0.328101	-0.295561	-0.953272	0.000000	-1.953125	-5.859375	1.0	wipetable
4573	0.328110	-0.296087	-0.959463	0.000000	-1.953125	-5.859375	1.0	wipetable
4574	0.334366	-0.308902	-0.963178	7.812500	-3.906250	-7.812500	1.0	wipetable
4575	0.344370	-0.322841	-0.971657	25.390625	-1.953125	5.859375	1.0	wipetable
4576	0.381622	-0.574955	-1.082994	80.078125	-23.437500	0.000000	1.0	wipetable
4577	0.397723	-0.751223	-1.149796	164.062500	-35.156250	-27.343750	2.0	wipetable
4578	0.301134	-0.869484	-0.952378	201.171875	-48.828125	-48.828125	2.0	wipetable
4579	0.205680	-0.821690	-0.571427	248.046875	-27.343750	-103.515625	2.0	wipetable
4580	0.498408	-0.599264	-0.299106	160.156250	56.640625	-156.250000	2.0	wipetable
4581	0.867795	-0.315808	-0.535714	-60.546875	193.359375	-244.140625	2.0	wipetable
4582	0.883177	-0.508235	-0.790178	-201.171875	74.218750	-68.359375	2.0	wipetable
4583	0.567406	-0.823691	-0.599107	-17.578125	29.296875	62.500000	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4584	0.309194	-1.081715	-0.103214	0.000000	-97.656250	25.390625	2.0	wipetable
4585	0.366766	-1.086529	0.256822	109.375000	-160.156250	46.875000	2.0	wipetable
4586	0.701310	-0.770667	0.341593	150.390625	-111.328125	27.343750	2.0	wipetable
4587	1.083286	-0.393650	0.317456	17.578125	50.781250	-37.109375	2.0	wipetable
4588	1.237472	-0.242440	-0.159527	-195.312500	109.375000	-111.328125	2.0	wipetable
4589	1.179983	-0.589214	-0.520716	-197.265625	91.796875	-62.500000	2.0	wipetable
4590	0.745490	-0.941028	-0.518680	-13.671875	76.171875	70.312500	2.0	wipetable
4591	0.328544	-1.139617	-0.117458	31.250000	-62.500000	35.156250	2.0	wipetable
4592	0.272126	-1.190020	0.273275	125.000000	-158.203125	85.937500	2.0	wipetable
4593	0.638276	-0.857762	0.345215	177.734375	-156.250000	35.156250	2.0	wipetable
4594	1.070465	-0.508407	0.350879	9.765625	13.671875	-54.687500	2.0	wipetable
4595	1.223529	-0.242544	-0.108223	-177.734375	117.187500	-101.562500	2.0	wipetable
4596	1.140368	-0.570527	-0.439934	-181.640625	101.562500	-78.125000	2.0	wipetable
4597	0.796721	-0.904816	-0.488960	-35.156250	60.546875	-39.062500	2.0	wipetable
4598	0.465532	-1.205390	-0.118376	17.578125	-66.406250	9.765625	2.0	wipetable
4599	0.466819	-1.229484	0.278974	142.578125	-156.250000	74.218750	2.0	wipetable
4600	0.717592	-0.775190	0.404885	230.468750	-54.687500	-44.921875	2.0	wipetable
4601	1.111805	-0.202614	0.286681	-11.718750	41.015625	-76.171875	2.0	wipetable
4602	1.260833	-0.096568	-0.252992	-242.187500	58.593750	-48.828125	2.0	wipetable
4603	1.019000	-0.432941	-0.489295	-164.062500	93.750000	1.953125	2.0	wipetable
4604	0.592650	-0.853515	-0.312327	-19.531250	-31.250000	23.437500	2.0	wipetable
4605	0.411840	-1.143359	0.075104	54.687500	-152.343750	44.921875	2.0	wipetable
4606	0.609604	-1.136015	0.251312	191.406250	-162.109375	58.593750	2.0	wipetable
4607	0.934512	-0.725359	0.294537	183.593750	-56.640625	-15.625000	2.0	wipetable
4608	1.179457	-0.347715	0.170472	-29.296875	83.984375	-95.703125	2.0	wipetable
4609	1.201424	-0.296129	-0.153967	-177.734375	113.281250	-85.937500	2.0	wipetable
4610	1.052105	-0.521428	-0.286130	-152.343750	103.515625	-44.921875	2.0	wipetable
4611	0.775013	-0.694107	-0.177928	-85.937500	82.031250	5.859375	2.0	wipetable
4612	0.508758	-0.841464	-0.044257	-68.359375	31.250000	9.765625	2.0	wipetable
4613	0.311505	-0.848628	0.023446	-60.546875	-42.968750	42.968750	2.0	wipetable
4614	0.205653	-0.696677	0.020318	-97.656250	-125.000000	60.546875	2.0	wipetable
4615	0.160892	-0.624256	-0.175309	-201.171875	-150.390625	80.078125	2.0	wipetable
4616	0.215285	-0.674554	-0.542686	-234.375000	-128.906250	-5.859375	2.0	wipetable
4617	0.254171	-0.754732	-0.906861	-185.546875	-50.781250	19.531250	2.0	wipetable
4618	0.458753	-0.721589	-1.000367	-17.578125	134.765625	-15.625000	2.0	wipetable
4619	0.431502	-0.651704	-0.968970	27.343750	-11.718750	-5.859375	2.0	wipetable
4620	0.371401	-0.434772	-0.975132	13.671875	-9.765625	-58.593750	2.0	wipetable
4621	0.304091	-0.373363	-0.960079	-19.531250	11.718750	17.578125	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4622	0.257454	-0.361518	-0.963548	-15.625000	-9.765625	-15.625000	2.0	wipetable
4623	0.348223	-0.354411	-0.965629	13.671875	9.765625	-37.109375	0.0	wipetable
4624	0.358934	-0.312646	-0.960627	0.000000	-5.859375	-27.343750	0.0	wipetable
4625	0.346610	-0.287588	-0.963876	0.000000	3.906250	-3.906250	0.0	wipetable
4626	0.326716	-0.272553	-0.959576	0.000000	0.000000	7.812500	0.0	wipetable
4627	0.339780	-0.269782	-0.956995	-3.906250	-3.906250	0.000000	0.0	wipetable
4628	0.343892	-0.282468	-0.953308	0.000000	0.000000	0.000000	1.0	wipetable
4629	0.343835	-0.281981	-0.953235	0.000000	0.000000	0.000000	1.0	wipetable
4630	0.343801	-0.287938	-0.953191	0.000000	-1.953125	-1.953125	1.0	wipetable
4631	0.343781	-0.285263	-0.953165	0.000000	-1.953125	-3.906250	1.0	wipetable
4632	0.343768	-0.277408	-0.953149	0.000000	-1.953125	-1.953125	1.0	wipetable
4633	0.343761	-0.278945	-0.953139	0.000000	-1.953125	-1.953125	1.0	wipetable
4634	0.343757	-0.286117	-0.953134	0.000000	-1.953125	-1.953125	1.0	wipetable
4635	0.356254	-0.309170	-0.971880	7.812500	-3.906250	-7.812500	1.0	wipetable
4636	0.445002	-0.504252	-1.126878	111.328125	-3.906250	-64.453125	2.0	wipetable
4637	0.523251	-0.615051	-1.157377	162.109375	21.484375	5.859375	2.0	wipetable
4638	0.426451	-0.831531	-0.963176	160.156250	-11.718750	13.671875	2.0	wipetable
4639	0.249621	-0.911418	-0.627906	248.046875	-42.968750	-132.812500	2.0	wipetable
4640	0.431022	-0.571851	-0.157993	195.312500	13.671875	-179.687500	2.0	wipetable
4641	0.921113	-0.249361	-0.401046	-37.109375	248.046875	-169.921875	2.0	wipetable
4642	1.015168	-0.418366	-0.834378	-250.000000	89.843750	-27.343750	2.0	wipetable
4643	0.615351	-0.757270	-0.694377	-35.156250	68.359375	44.921875	2.0	wipetable
4644	0.344210	-0.966862	-0.260376	15.625000	-54.687500	17.578125	2.0	wipetable
4645	0.331526	-1.061367	0.168774	66.406250	-171.875000	46.875000	2.0	wipetable
4646	0.573916	-0.843070	0.276265	171.875000	-134.765625	39.062500	2.0	wipetable
4647	0.994349	-0.580842	0.359509	76.171875	1.953125	3.906250	2.0	wipetable
4648	1.171610	-0.167255	0.146955	-82.031250	107.421875	-111.328125	2.0	wipetable
4649	1.265466	-0.375353	-0.349327	-205.078125	82.031250	-76.171875	2.0	wipetable
4650	0.859279	-0.712712	-0.409596	-93.750000	74.218750	56.640625	2.0	wipetable
4651	0.496818	-0.958877	-0.152008	-11.718750	-29.296875	15.625000	2.0	wipetable
4652	0.279341	-1.069076	0.171295	64.453125	-123.046875	70.312500	2.0	wipetable
4653	0.561354	-0.953946	0.315277	160.156250	-160.156250	27.343750	2.0	wipetable
4654	0.999313	-0.541117	0.451666	76.171875	-11.718750	-19.531250	2.0	wipetable
4655	1.162088	-0.180920	0.114750	-130.859375	115.234375	-142.578125	2.0	wipetable
4656	1.184753	-0.383552	-0.349900	-187.500000	74.218750	-11.718750	2.0	wipetable
4657	0.904602	-0.673881	-0.428690	-78.125000	91.796875	46.875000	2.0	wipetable
4658	0.492761	-0.948079	-0.263464	17.578125	27.343750	19.531250	2.0	wipetable
4659	0.233157	-1.131347	0.104422	62.500000	-126.953125	80.078125	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4660	0.433644	-1.003808	0.312653	160.156250	-169.921875	35.156250	2.0	wipetable
4661	0.853936	-0.602285	0.462592	87.890625	-41.015625	-17.578125	2.0	wipetable
4662	1.162362	-0.173871	0.165055	-123.046875	58.593750	-95.703125	2.0	wipetable
4663	1.166167	-0.316823	-0.319717	-212.890625	78.125000	-17.578125	2.0	wipetable
4664	0.805950	-0.633844	-0.441830	-62.500000	64.453125	25.390625	2.0	wipetable
4665	0.464820	-0.930306	-0.221348	19.531250	-35.156250	15.625000	2.0	wipetable
4666	0.341392	-1.120684	0.142191	93.750000	-115.234375	42.968750	2.0	wipetable
4667	0.523585	-0.953660	0.254065	193.359375	-148.437500	35.156250	2.0	wipetable
4668	0.889151	-0.578446	0.339939	109.375000	-62.500000	15.625000	2.0	wipetable
4669	1.152241	-0.315818	0.128963	-85.937500	85.937500	-80.078125	2.0	wipetable
4670	1.178844	-0.314491	-0.210122	-183.593750	121.093750	-76.171875	2.0	wipetable
4671	0.957307	-0.532444	-0.313573	-125.000000	117.187500	-9.765625	2.0	wipetable
4672	0.655634	-0.750717	-0.181894	-60.546875	62.500000	5.859375	2.0	wipetable
4673	0.505880	-0.881680	-0.065386	-27.343750	3.906250	7.812500	2.0	wipetable
4674	0.416028	-0.860258	0.029518	-15.625000	-35.156250	42.968750	2.0	wipetable
4675	0.368367	-0.741155	0.067711	-50.781250	-70.312500	39.062500	2.0	wipetable
4676	0.383520	-0.788443	-0.003123	-109.375000	-87.890625	56.640625	2.0	wipetable
4677	0.342612	-0.854316	-0.151874	-109.375000	-50.781250	62.500000	2.0	wipetable
4678	0.205567	-0.843839	-0.328624	-128.906250	-56.640625	80.078125	2.0	wipetable
4679	0.173340	-0.768804	-0.522175	-130.859375	-33.203125	-64.453125	2.0	wipetable
4680	0.247754	-0.648782	-0.757055	-146.484375	-41.015625	-166.015625	2.0	wipetable
4681	0.761153	-0.895519	-0.985483	-68.359375	23.437500	164.062500	2.0	wipetable
4682	0.575442	-0.662312	-0.991290	19.531250	-27.343750	-46.875000	2.0	wipetable
4683	0.414015	-0.509887	-0.951024	-1.953125	3.906250	11.718750	2.0	wipetable
4684	0.329659	-0.424682	-0.951864	-11.718750	0.000000	-9.765625	2.0	wipetable
4685	0.354045	-0.429809	-0.964869	5.859375	7.812500	-17.578125	2.0	wipetable
4686	0.374927	-0.357886	-0.947671	5.859375	0.000000	-17.578125	2.0	wipetable
4687	0.349956	-0.333481	-0.949853	-5.859375	-3.906250	7.812500	0.0	wipetable
4688	0.328724	-0.337589	-0.951162	-1.953125	1.953125	3.906250	0.0	wipetable
4689	0.347234	-0.327553	-0.951947	1.953125	1.953125	-3.906250	0.0	wipetable
4690	0.345841	-0.315282	-0.946168	-1.953125	-1.953125	0.000000	0.0	wipetable
4691	0.332504	-0.320419	-0.942701	-1.953125	0.000000	0.000000	0.0	wipetable
4692	0.342354	-0.344734	-0.935367	0.000000	-1.953125	-5.859375	1.0	wipetable
4693	0.342913	-0.331841	-0.936220	0.000000	-1.953125	-3.906250	1.0	wipetable
4694	0.349498	-0.330354	-0.936732	-3.906250	0.000000	5.859375	1.0	wipetable
4695	0.340949	-0.341963	-0.937039	-1.953125	0.000000	5.859375	1.0	wipetable
4696	0.335819	-0.348928	-0.937224	0.000000	-1.953125	0.000000	1.0	wipetable
4697	0.345241	-0.359357	-0.943584	3.906250	-3.906250	-11.718750	1.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4698	0.344645	-0.353114	-0.947400	7.812500	-7.812500	-17.578125	1.0	wipetable
4699	0.350537	-0.393118	-0.987190	17.578125	-17.578125	0.000000	1.0	wipetable
4700	0.379072	-0.567121	-1.111064	74.218750	-46.875000	13.671875	2.0	wipetable
4701	0.371193	-0.734023	-1.085389	160.156250	-9.765625	-17.578125	2.0	wipetable
4702	0.291466	-0.952914	-0.863733	214.843750	-15.625000	-42.968750	2.0	wipetable
4703	0.237380	-0.915498	-0.518240	248.046875	-27.343750	-123.046875	2.0	wipetable
4704	0.473678	-0.393049	-0.192194	117.187500	33.203125	-173.828125	2.0	wipetable
4705	0.921707	-0.098329	-0.565316	-158.203125	136.718750	-181.640625	2.0	wipetable
4706	0.846774	-0.390248	-0.832940	-205.078125	113.281250	-25.390625	2.0	wipetable
4707	0.545564	-0.734149	-0.681014	7.812500	50.781250	41.015625	2.0	wipetable
4708	0.314839	-1.059239	-0.246108	27.343750	-35.156250	3.906250	2.0	wipetable
4709	0.270153	-1.129293	0.221085	128.906250	-134.765625	56.640625	2.0	wipetable
4710	0.612092	-0.752576	0.376401	191.406250	-91.796875	46.875000	2.0	wipetable
4711	0.973505	-0.364046	0.450841	11.718750	35.156250	-27.343750	2.0	wipetable
4712	1.215353	-0.149677	-0.048246	-203.125000	44.921875	-80.078125	2.0	wipetable
4713	1.129212	-0.521056	-0.416447	-146.484375	113.281250	-80.078125	2.0	wipetable
4714	0.683777	-0.881384	-0.349868	-29.296875	29.296875	23.437500	2.0	wipetable
4715	0.316516	-1.103830	0.021329	33.203125	-85.937500	9.765625	2.0	wipetable
4716	0.377410	-1.149798	0.275297	123.046875	-167.968750	48.828125	2.0	wipetable
4717	0.695196	-0.789879	0.352678	193.359375	-97.656250	27.343750	2.0	wipetable
4718	1.142118	-0.373927	0.349107	-19.531250	29.296875	-1.953125	2.0	wipetable
4719	1.247771	-0.174356	-0.078036	-193.359375	119.140625	-93.750000	2.0	wipetable
4720	1.098662	-0.523364	-0.465571	-183.593750	111.328125	-68.359375	2.0	wipetable
4721	0.709197	-0.857768	-0.385593	-31.250000	52.734375	44.921875	2.0	wipetable
4722	0.381768	-1.120911	-0.068856	21.484375	-74.218750	3.906250	2.0	wipetable
4723	0.322811	-1.185047	0.208687	113.281250	-166.015625	78.125000	2.0	wipetable
4724	0.624937	-0.892278	0.268962	173.828125	-152.343750	62.500000	2.0	wipetable
4725	1.106212	-0.529117	0.298877	44.921875	15.625000	-21.484375	2.0	wipetable
4726	1.226227	-0.267470	-0.045674	-175.781250	109.375000	-125.000000	2.0	wipetable
4727	1.079486	-0.572982	-0.427404	-191.406250	103.515625	-107.421875	2.0	wipetable
4728	0.747692	-0.856289	-0.400193	-37.109375	52.734375	52.734375	2.0	wipetable
4729	0.411115	-1.038774	-0.102616	7.812500	-50.781250	7.812500	2.0	wipetable
4730	0.359169	-1.204514	0.207181	74.218750	-162.109375	54.687500	2.0	wipetable
4731	0.609251	-1.022708	0.268058	181.640625	-148.437500	31.250000	2.0	wipetable
4732	1.003051	-0.594875	0.323335	97.656250	-48.828125	0.000000	2.0	wipetable
4733	1.183081	-0.294425	0.075251	-101.562500	117.187500	-109.375000	2.0	wipetable
4734	1.103598	-0.320405	-0.292349	-177.734375	148.437500	-42.968750	2.0	wipetable
4735	0.774659	-0.517243	-0.306660	-97.656250	121.093750	7.812500	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4736	0.521045	-0.791596	-0.096496	-54.687500	33.203125	5.859375	2.0	wipetable
4737	0.406377	-0.893707	0.067103	-13.671875	-5.859375	13.671875	2.0	wipetable
4738	0.350076	-0.861224	0.127762	3.906250	-27.343750	42.968750	2.0	wipetable
4739	0.278796	-0.722985	0.089157	-44.921875	-68.359375	74.218750	2.0	wipetable
4740	0.211027	-0.602541	-0.046506	-150.390625	-113.281250	52.734375	2.0	wipetable
4741	0.164116	-0.636524	-0.352904	-238.281250	-115.234375	87.890625	2.0	wipetable
4742	0.235970	-0.850665	-0.711742	-234.375000	-64.453125	-82.031250	2.0	wipetable
4743	0.297832	-0.747899	-0.895795	-83.984375	60.546875	-158.203125	2.0	wipetable
4744	0.722449	-1.036239	-1.043727	-64.453125	27.343750	142.578125	2.0	wipetable
4745	0.558469	-0.709244	-1.019986	37.109375	-42.968750	-62.500000	2.0	wipetable
4746	0.410082	-0.531796	-0.968242	-15.625000	13.671875	11.718750	2.0	wipetable
4747	0.308549	-0.450328	-0.968445	-15.625000	-3.906250	7.812500	2.0	wipetable
4748	0.378879	-0.395197	-0.968567	15.625000	11.718750	-27.343750	2.0	wipetable
4749	0.371078	-0.343368	-0.949890	-5.859375	-5.859375	3.906250	2.0	wipetable
4750	0.335147	-0.343521	-0.951184	-5.859375	-1.953125	7.812500	0.0	wipetable
4751	0.326088	-0.324862	-0.945710	1.953125	1.953125	-9.765625	0.0	wipetable
4752	0.339403	-0.313667	-0.942426	-1.953125	-1.953125	-1.953125	0.0	wipetable
4753	0.334892	-0.319450	-0.946706	0.000000	-1.953125	0.000000	0.0	wipetable
4754	0.332185	-0.316670	-0.949273	-1.953125	0.000000	5.859375	0.0	wipetable
4755	0.411206	-0.237639	-0.937822	0.000000	0.000000	17.578125	1.0	wipetable
4756	0.415473	-0.242583	-0.937693	-1.953125	-1.953125	1.953125	1.0	wipetable
4757	0.411784	-0.245550	-0.937616	-1.953125	0.000000	3.906250	1.0	wipetable
4758	0.409570	-0.259830	-0.937570	-1.953125	-3.906250	0.000000	1.0	wipetable
4759	0.408242	-0.262148	-0.937542	0.000000	0.000000	-1.953125	1.0	wipetable
4760	0.401195	-0.257289	-0.943775	0.000000	0.000000	0.000000	1.0	wipetable
4761	0.409467	-0.260623	-0.947515	1.953125	0.000000	1.953125	1.0	wipetable
4762	0.433180	-0.325124	-0.981009	15.625000	-5.859375	-1.953125	1.0	wipetable
4763	0.528658	-0.532574	-1.094855	97.656250	-3.906250	-15.625000	2.0	wipetable
4764	0.573445	-0.713295	-1.113163	162.109375	13.671875	9.765625	2.0	wipetable
4765	0.475317	-0.902977	-0.874148	222.656250	21.484375	-3.906250	2.0	wipetable
4766	0.391440	-0.729286	-0.511989	248.046875	64.453125	-138.671875	2.0	wipetable
4767	0.697364	-0.225072	-0.407193	68.359375	103.515625	-144.531250	2.0	wipetable
4768	0.880918	-0.141293	-0.713066	-185.546875	60.546875	-115.234375	2.0	wipetable
4769	0.747301	-0.503526	-0.802840	-82.031250	72.265625	29.296875	2.0	wipetable
4770	0.467131	-0.933365	-0.406704	21.484375	-29.296875	76.171875	2.0	wipetable
4771	0.399028	-1.153769	0.168478	128.906250	-154.296875	101.562500	2.0	wipetable
4772	0.751917	-0.786012	0.394837	185.546875	-85.937500	3.906250	2.0	wipetable
4773	1.119900	-0.227857	0.230652	-60.546875	44.921875	-74.218750	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4774	1.271940	-0.261714	-0.349109	-224.609375	99.609375	-119.140625	2.0	wipetable
4775	0.994414	-0.632028	-0.603215	-105.468750	93.750000	7.812500	2.0	wipetable
4776	0.565398	-1.022967	-0.355679	35.156250	-31.250000	37.109375	2.0	wipetable
4777	0.395489	-1.238780	0.199092	103.515625	-177.734375	70.312500	2.0	wipetable
4778	0.737293	-0.874518	0.338205	230.468750	-87.890625	3.906250	2.0	wipetable
4779	1.098626	-0.287211	0.309173	-5.859375	41.015625	-31.250000	2.0	wipetable
4780	1.340426	-0.084827	-0.251996	-216.796875	58.593750	-105.468750	2.0	wipetable
4781	1.091755	-0.488396	-0.626198	-130.859375	93.750000	-56.640625	2.0	wipetable
4782	0.711303	-0.861788	-0.475719	25.390625	-29.296875	39.062500	2.0	wipetable
4783	0.464282	-1.298323	0.220819	66.406250	-109.375000	115.234375	2.0	wipetable
4784	0.616069	-0.978994	0.413741	236.328125	-101.562500	42.968750	2.0	wipetable
4785	1.057141	-0.412396	0.385745	31.250000	33.203125	-54.687500	2.0	wipetable
4786	1.428035	-0.284938	-0.199803	-185.546875	89.843750	-111.328125	2.0	wipetable
4787	1.069321	-0.664713	-0.526132	-117.187500	95.703125	-44.921875	2.0	wipetable
4788	0.485343	-1.067578	-0.290679	23.437500	-64.453125	-9.765625	2.0	wipetable
4789	0.497456	-1.265547	0.294343	101.562500	-191.406250	87.890625	2.0	wipetable
4790	0.810973	-0.878078	0.439106	197.265625	-74.218750	33.203125	2.0	wipetable
4791	1.280334	-0.295597	0.225963	-13.671875	87.890625	-121.093750	2.0	wipetable
4792	1.305700	-0.196108	-0.295672	-246.093750	103.515625	-66.406250	2.0	wipetable
4793	0.827170	-0.461415	-0.514903	-191.406250	105.468750	56.640625	2.0	wipetable
4794	0.383802	-0.683099	-0.446442	-80.078125	-3.906250	134.765625	2.0	wipetable
4795	0.080281	-0.659859	-0.342865	-134.765625	-66.406250	66.406250	2.0	wipetable
4796	-0.026831	-0.783416	-0.461969	-248.046875	-111.328125	66.406250	2.0	wipetable
4797	0.052651	-0.745049	-0.783431	-250.000000	-19.531250	9.765625	2.0	wipetable
4798	0.825341	-1.247030	-1.270059	-150.390625	-66.406250	-70.312500	2.0	wipetable
4799	0.520204	-1.004468	-1.180785	0.000000	39.062500	-125.000000	2.0	wipetable
4800	0.412123	-0.615181	-1.133471	44.921875	29.296875	-91.796875	2.0	wipetable
4801	0.297274	-0.419108	-1.036333	0.000000	33.203125	35.156250	2.0	wipetable
4802	0.259614	-0.370215	-1.015550	-31.250000	-19.531250	-13.671875	2.0	wipetable
4803	0.355768	-0.378379	-1.034330	-5.859375	-58.593750	-46.875000	2.0	wipetable
4804	0.369711	-0.302027	-1.001848	7.812500	13.671875	5.859375	2.0	wipetable
4805	0.334327	-0.287466	-0.994859	-3.906250	13.671875	-9.765625	0.0	wipetable
4806	0.300596	-0.266230	-0.984415	-7.812500	1.953125	3.906250	0.0	wipetable
4807	0.317858	-0.278488	-0.984399	-3.906250	-3.906250	7.812500	0.0	wipetable
4808	0.321965	-0.273343	-0.984389	1.953125	0.000000	1.953125	0.0	wipetable
4809	0.311929	-0.257756	-0.984384	1.953125	1.953125	1.953125	0.0	wipetable
4810	0.312157	-0.260903	-0.984380	0.000000	-1.953125	-1.953125	0.0	wipetable
4811	0.318544	-0.256542	-0.978128	1.953125	0.000000	-7.812500	0.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4812	0.322377	-0.253925	-0.974377	0.000000	0.000000	-7.812500	0.0	wipetable
4813	0.328133	-0.250494	-0.968750	0.000000	0.000000	0.000000	1.0	wipetable
4814	0.328130	-0.250297	-0.968750	-1.953125	-1.953125	0.000000	1.0	wipetable
4815	0.328128	-0.250178	-0.968750	0.000000	0.000000	-1.953125	1.0	wipetable
4816	0.328127	-0.250107	-0.968750	0.000000	0.000000	0.000000	1.0	wipetable
4817	0.328126	-0.256314	-0.968750	0.000000	-1.953125	0.000000	1.0	wipetable
4818	0.340626	-0.297538	-1.000000	11.718750	-5.859375	-9.765625	1.0	wipetable
4819	0.366875	-0.491023	-1.143750	87.890625	-35.156250	-35.156250	1.0	wipetable
4820	0.313875	-0.738364	-1.217500	175.781250	-74.218750	-5.859375	0.0	wipetable
4821	0.257075	-0.943018	-0.936750	248.046875	-72.265625	-74.218750	2.0	wipetable
4822	0.435495	-0.772061	-0.580800	248.046875	60.546875	-250.000000	2.0	wipetable
4823	0.686297	-0.244487	-0.604730	-5.859375	216.796875	-244.140625	2.0	wipetable
4824	0.868028	-0.296692	-0.919088	-218.750000	41.015625	-167.968750	2.0	wipetable
4825	0.670817	-0.621765	-0.870203	-33.203125	50.781250	31.250000	2.0	wipetable
4826	0.371240	-1.023059	-0.309622	7.812500	-29.296875	56.640625	2.0	wipetable
4827	0.428994	-1.126335	0.182977	144.531250	-160.156250	83.984375	2.0	wipetable
4828	0.844896	-0.644551	0.366036	177.734375	-50.781250	-15.625000	2.0	wipetable
4829	1.138188	-0.136731	0.213372	-68.359375	74.218750	-72.265625	2.0	wipetable
4830	1.357913	-0.200788	-0.321977	-195.312500	123.046875	-83.984375	2.0	wipetable
4831	1.002248	-0.551723	-0.543186	-123.046875	91.796875	-68.359375	2.0	wipetable
4832	0.470099	-1.049784	-0.388412	41.015625	-44.921875	7.812500	2.0	wipetable
4833	0.363309	-1.198620	0.198203	103.515625	-207.031250	87.890625	2.0	wipetable
4834	0.742985	-0.775422	0.418922	216.796875	-85.937500	23.437500	2.0	wipetable
4835	1.170791	-0.252753	0.376353	-35.156250	44.921875	-35.156250	2.0	wipetable
4836	1.396225	-0.157902	-0.286688	-208.984375	103.515625	-91.796875	2.0	wipetable
4837	1.081485	-0.507241	-0.559513	-109.375000	85.937500	-123.046875	2.0	wipetable
4838	0.642641	-0.985595	-0.423208	50.781250	-9.765625	33.203125	2.0	wipetable
4839	0.391835	-1.203857	0.239825	109.375000	-146.484375	109.375000	2.0	wipetable
4840	0.697601	-0.816064	0.437645	224.609375	-76.171875	52.734375	2.0	wipetable
4841	1.162310	-0.270888	0.400087	-13.671875	54.687500	-41.015625	2.0	wipetable
4842	1.391136	-0.168783	-0.228698	-224.609375	64.453125	-66.406250	2.0	wipetable
4843	1.040932	-0.513770	-0.512219	-126.953125	93.750000	-119.140625	2.0	wipetable
4844	0.643309	-0.989512	-0.401081	37.109375	-54.687500	17.578125	2.0	wipetable
4845	0.460985	-1.218707	0.209351	121.093750	-166.015625	91.796875	2.0	wipetable
4846	0.801591	-0.743724	0.419361	228.515625	-82.031250	21.484375	2.0	wipetable
4847	1.255955	-0.221235	0.357866	1.953125	82.031250	-72.265625	2.0	wipetable
4848	1.466073	-0.101491	-0.185280	-216.796875	82.031250	-95.703125	2.0	wipetable
4849	1.210894	-0.367144	-0.467418	-169.921875	107.421875	-54.687500	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4850	0.795286	-0.664037	-0.405451	-83.984375	46.875000	23.437500	2.0	wipetable
4851	0.508422	-0.842172	-0.212021	-82.031250	-3.906250	44.921875	2.0	wipetable
4852	0.236303	-0.824053	-0.077212	-93.750000	-58.593750	99.609375	2.0	wipetable
4853	0.116782	-0.738182	-0.108827	-146.484375	-134.765625	97.656250	2.0	wipetable
4854	0.076319	-0.736659	-0.415296	-203.125000	-91.796875	35.156250	2.0	wipetable
4855	0.183291	-0.735745	-0.824178	-218.750000	-29.296875	-117.187500	0.0	wipetable
4856	0.503725	-0.828947	-1.163257	42.968750	95.703125	-109.375000	0.0	wipetable
4857	0.502235	-0.572368	-1.154204	50.781250	-58.593750	-37.109375	0.0	wipetable
4858	0.370091	-0.387171	-1.030022	11.718750	64.453125	-1.953125	0.0	wipetable
4859	0.297055	-0.319803	-0.980513	-46.875000	19.531250	52.734375	0.0	wipetable
4860	0.296983	-0.348132	-0.975808	-50.781250	-29.296875	-3.906250	0.0	wipetable
4861	0.359440	-0.371379	-0.985485	-27.343750	-35.156250	-25.390625	0.0	wipetable
4862	0.403164	-0.397827	-0.966291	5.859375	5.859375	9.765625	0.0	wipetable
4863	0.386348	-0.247064	-0.953105	-1.953125	0.000000	0.000000	1.0	wipetable
4864	0.388059	-0.248238	-0.953113	0.000000	-1.953125	0.000000	1.0	wipetable
4865	0.389085	-0.248943	-0.953118	0.000000	-1.953125	-1.953125	1.0	wipetable
4866	0.389701	-0.249366	-0.953121	0.000000	0.000000	-3.906250	1.0	wipetable
4867	0.390071	-0.249619	-0.953122	0.000000	0.000000	-1.953125	1.0	wipetable
4868	0.390292	-0.249772	-0.953123	1.953125	0.000000	-1.953125	1.0	wipetable
4869	0.402925	-0.312363	-0.984374	17.578125	-7.812500	1.953125	1.0	wipetable
4870	0.435505	-0.481168	-1.121874	105.468750	-23.437500	-33.203125	1.0	wipetable
4871	0.423803	-0.701201	-1.179375	156.250000	-33.203125	-13.671875	2.0	wipetable
4872	0.335532	-0.926970	-0.951375	238.281250	-44.921875	-50.781250	2.0	wipetable
4873	0.463819	-0.831182	-0.602075	248.046875	13.671875	-164.062500	2.0	wipetable
4874	0.722041	-0.186209	-0.417495	76.171875	193.359375	-183.593750	2.0	wipetable
4875	0.989475	0.019524	-0.856747	-228.515625	83.984375	-183.593750	2.0	wipetable
4876	0.812435	-0.407035	-0.939048	-109.375000	78.125000	31.250000	2.0	wipetable
4877	0.462461	-0.850471	-0.619679	-27.343750	-33.203125	50.781250	2.0	wipetable
4878	0.189977	-1.210283	-0.003057	58.593750	-156.250000	95.703125	2.0	wipetable
4879	0.563986	-1.013670	0.223166	201.171875	-173.828125	41.015625	2.0	wipetable
4880	1.057142	-0.414452	0.308899	25.390625	35.156250	-35.156250	2.0	wipetable
4881	1.340535	-0.229921	-0.245910	-156.250000	130.859375	-117.187500	2.0	wipetable
4882	1.148071	-0.606703	-0.578796	-150.390625	83.984375	-68.359375	2.0	wipetable
4883	0.657593	-0.932772	-0.547278	29.296875	3.906250	-19.531250	2.0	wipetable
4884	0.294556	-1.159663	0.034133	42.968750	-115.234375	21.484375	2.0	wipetable
4885	0.607983	-1.039548	0.301730	210.937500	-144.531250	62.500000	2.0	wipetable
4886	1.014790	-0.504979	0.437288	93.750000	-9.765625	9.765625	2.0	wipetable
4887	1.315124	-0.202987	-0.037627	-125.000000	126.953125	-136.718750	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4888	1.201574	-0.465542	-0.522576	-218.750000	87.890625	-60.546875	2.0	wipetable
4889	0.745945	-0.848075	-0.619796	-58.593750	25.390625	27.343750	2.0	wipetable
4890	0.366317	-1.152595	-0.246877	54.687500	-72.265625	27.343750	2.0	wipetable
4891	0.476040	-1.166557	0.208124	150.390625	-183.593750	48.828125	2.0	wipetable
4892	0.873124	-0.712434	0.387374	166.015625	-64.453125	-11.718750	2.0	wipetable
4893	1.261374	-0.327461	0.132424	-74.218750	103.515625	-62.500000	2.0	wipetable
4894	1.313075	-0.271476	-0.433045	-220.703125	115.234375	-66.406250	2.0	wipetable
4895	0.894095	-0.650386	-0.647327	-74.218750	76.171875	-23.437500	2.0	wipetable
4896	0.523957	-1.027731	-0.357146	27.343750	-44.921875	29.296875	2.0	wipetable
4897	0.389374	-1.235389	0.123212	115.234375	-171.875000	85.937500	2.0	wipetable
4898	0.839874	-0.834983	0.298927	222.656250	-132.812500	5.859375	2.0	wipetable
4899	1.285175	-0.275990	0.235606	-41.015625	93.750000	-89.843750	2.0	wipetable
4900	1.346105	-0.178094	-0.302386	-218.750000	130.859375	-74.218750	2.0	wipetable
4901	1.082663	-0.369356	-0.512682	-187.500000	95.703125	15.625000	2.0	wipetable
4902	0.680848	-0.671614	-0.457609	-72.265625	50.781250	37.109375	2.0	wipetable
4903	0.452259	-0.852968	-0.324565	-50.781250	-17.578125	1.953125	2.0	wipetable
4904	0.327605	-0.893031	-0.232239	-50.781250	-52.734375	17.578125	2.0	wipetable
4905	0.252813	-0.804569	-0.245594	-97.656250	-111.328125	35.156250	2.0	wipetable
4906	0.301688	-0.757741	-0.372356	-144.531250	-167.968750	42.968750	2.0	wipetable
4907	0.331013	-0.823395	-0.573414	-166.015625	-85.937500	-35.156250	2.0	wipetable
4908	0.342358	-0.725287	-0.837798	-199.218750	-87.890625	78.125000	0.0	wipetable
4909	0.455415	-0.722672	-0.996429	33.203125	91.796875	-25.390625	0.0	wipetable
4910	0.466999	-0.502353	-1.016607	44.921875	-68.359375	-87.890625	0.0	wipetable
4911	0.380199	-0.376412	-0.959964	-11.718750	44.921875	15.625000	0.0	wipetable
4912	0.309370	-0.313347	-0.969729	-29.296875	27.343750	21.484375	0.0	wipetable
4913	0.310622	-0.331758	-0.988087	-29.296875	-21.484375	-29.296875	0.0	wipetable
4914	0.342623	-0.317805	-0.980352	1.953125	-21.484375	-37.109375	0.0	wipetable
4915	0.368074	-0.290683	-0.975711	7.812500	-3.906250	-17.578125	0.0	wipetable
4916	0.348731	-0.258573	-0.962279	3.906250	0.000000	-9.765625	1.0	wipetable
4917	0.346739	-0.242644	-0.958618	-3.906250	0.000000	5.859375	1.0	wipetable
4918	0.345543	-0.258086	-0.962671	-1.953125	0.000000	5.859375	1.0	wipetable
4919	0.344826	-0.261102	-0.965102	-1.953125	0.000000	3.906250	1.0	wipetable
4920	0.350646	-0.256661	-0.960311	0.000000	0.000000	0.000000	1.0	wipetable
4921	0.347887	-0.260247	-0.957437	-1.953125	0.000000	0.000000	1.0	wipetable
4922	0.346232	-0.262398	-0.961962	-1.953125	0.000000	0.000000	1.0	wipetable
4923	0.357739	-0.282439	-0.977177	1.953125	-3.906250	-3.906250	1.0	wipetable
4924	0.470894	-0.538213	-1.130056	74.218750	-23.437500	-64.453125	2.0	wipetable
4925	0.532536	-0.710428	-1.234284	189.453125	25.390625	15.625000	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4926	0.369522	-0.926257	-0.946820	232.421875	-25.390625	0.000000	2.0	wipetable
4927	0.334213	-0.837004	-0.549342	248.046875	-5.859375	-144.531250	2.0	wipetable
4928	0.600528	-0.302202	-0.292105	83.984375	111.328125	-191.406250	2.0	wipetable
4929	0.929067	-0.056321	-0.681513	-175.781250	119.140625	-171.875000	2.0	wipetable
4930	0.794940	-0.340043	-0.821408	-154.296875	74.218750	-31.250000	2.0	wipetable
4931	0.564464	-0.691526	-0.611595	9.765625	-11.718750	48.828125	2.0	wipetable
4932	0.357428	-1.008665	-0.041957	39.062500	-89.843750	72.265625	2.0	wipetable
4933	0.483207	-0.992699	0.299826	191.406250	-164.062500	66.406250	2.0	wipetable
4934	0.883674	-0.520620	0.536146	128.906250	-54.687500	-19.531250	2.0	wipetable
4935	1.205205	-0.162372	0.177937	-82.031250	105.468750	-138.671875	2.0	wipetable
4936	1.279373	-0.309923	-0.430738	-234.375000	121.093750	-27.343750	2.0	wipetable
4937	0.886374	-0.735954	-0.620943	-89.843750	91.796875	-13.671875	2.0	wipetable
4938	0.463074	-1.122822	-0.353816	11.718750	-15.625000	29.296875	2.0	wipetable
4939	0.334095	-1.254943	0.125211	107.421875	-187.500000	91.796875	2.0	wipetable
4940	0.787957	-0.859216	0.381376	195.312500	-121.093750	21.484375	2.0	wipetable
4941	1.241524	-0.421780	0.328826	-3.906250	93.750000	-35.156250	2.0	wipetable
4942	1.351164	-0.340568	-0.277704	-181.640625	130.859375	-46.875000	2.0	wipetable
4943	0.991949	-0.598091	-0.504123	-80.078125	91.796875	-95.703125	2.0	wipetable
4944	0.557669	-0.921354	-0.371224	13.671875	-17.578125	25.390625	2.0	wipetable
4945	0.284602	-1.165313	0.196016	39.062500	-148.437500	103.515625	2.0	wipetable
4946	0.489511	-1.005438	0.417609	179.687500	-125.000000	41.015625	2.0	wipetable
4947	0.993707	-0.672013	0.494316	44.921875	-27.343750	1.953125	2.0	wipetable
4948	1.302474	-0.365708	-0.059661	-119.140625	160.156250	-72.265625	2.0	wipetable
4949	1.112734	-0.650675	-0.417046	-156.250000	134.765625	-99.609375	2.0	wipetable
4950	0.623891	-1.009155	-0.456478	7.812500	5.859375	-23.437500	2.0	wipetable
4951	0.230584	-1.192993	-0.048887	50.781250	-125.000000	46.875000	2.0	wipetable
4952	0.463351	-1.159546	0.283168	169.921875	-158.203125	41.015625	2.0	wipetable
4953	0.940510	-0.645727	0.438651	144.531250	-72.265625	7.812500	2.0	wipetable
4954	1.289306	-0.249936	0.113190	-95.703125	125.000000	-85.937500	2.0	wipetable
4955	1.211084	-0.331212	-0.350836	-191.406250	166.015625	-31.250000	2.0	wipetable
4956	0.889150	-0.629977	-0.460501	-109.375000	103.515625	-19.531250	2.0	wipetable
4957	0.520990	-0.890486	-0.282551	-29.296875	27.343750	-21.484375	2.0	wipetable
4958	0.237594	-0.990542	-0.138281	-5.859375	-62.500000	29.296875	2.0	wipetable
4959	0.248806	-0.881825	0.010782	-9.765625	-140.625000	97.656250	2.0	wipetable
4960	0.268034	-0.666595	0.025219	-91.796875	-93.750000	99.609375	2.0	wipetable
4961	0.310820	-0.587457	-0.216119	-232.421875	-101.562500	37.109375	2.0	wipetable
4962	0.348992	-0.552474	-0.635921	-250.000000	-11.718750	-83.984375	2.0	wipetable
4963	0.271895	-0.443985	-1.181553	-250.000000	-111.328125	9.765625	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
4964	0.256887	-0.553891	-1.233932	70.312500	37.109375	-85.937500	2.0	wipetable
4965	0.216632	-0.357334	-1.134109	11.718750	46.875000	-44.921875	2.0	wipetable
4966	0.211229	-0.295651	-1.055465	17.578125	35.156250	-50.781250	2.0	wipetable
4967	0.245488	-0.246140	-1.027029	25.390625	-1.953125	5.859375	2.0	wipetable
4968	0.322293	-0.241434	-0.991218	9.765625	-27.343750	-21.484375	2.0	wipetable
4969	0.387126	-0.226111	-0.982231	1.953125	0.000000	-19.531250	0.0	wipetable
4970	0.401025	-0.229416	-0.976838	-1.953125	5.859375	-17.578125	0.0	wipetable
4971	0.378115	-0.218900	-0.961103	-5.859375	7.812500	-17.578125	0.0	wipetable
4972	0.408119	-0.225090	-0.951662	5.859375	19.531250	-42.968750	0.0	wipetable
4973	0.438621	-0.203804	-0.927247	-11.718750	21.484375	-31.250000	0.0	wipetable
4974	0.413173	-0.203532	-0.912598	33.203125	-41.015625	72.265625	0.0	wipetable
4975	0.404154	-0.215869	-0.935059	-3.906250	-37.109375	46.875000	0.0	wipetable
4976	0.386242	-0.273272	-0.948535	-7.812500	0.000000	25.390625	0.0	wipetable
4977	0.328093	-0.305344	-0.953136	0.000000	-1.953125	-3.906250	1.0	wipetable
4978	0.328106	-0.308207	-0.953132	-1.953125	-1.953125	-1.953125	1.0	wipetable
4979	0.328113	-0.309924	-0.953129	0.000000	-1.953125	-3.906250	1.0	wipetable
4980	0.328118	-0.310954	-0.953127	0.000000	-1.953125	-3.906250	1.0	wipetable
4981	0.328121	-0.317823	-0.959376	0.000000	-1.953125	-5.859375	1.0	wipetable
4982	0.340622	-0.321944	-0.969376	9.765625	-3.906250	-9.765625	1.0	wipetable
4983	0.385623	-0.393166	-1.025376	27.343750	-17.578125	-11.718750	1.0	wipetable
4984	0.450124	-0.498400	-1.108975	97.656250	-9.765625	-37.109375	1.0	wipetable
4985	0.413824	-0.680290	-1.096635	113.281250	-9.765625	-7.812500	2.0	wipetable
4986	0.254545	-0.989424	-0.951731	197.265625	-60.546875	-74.218750	2.0	wipetable
4987	0.333977	-0.831154	-0.614789	248.046875	-19.531250	-109.375000	2.0	wipetable
4988	0.750386	-0.361193	-0.381373	82.031250	150.390625	-183.593750	2.0	wipetable
4989	1.043982	-0.166716	-0.835074	-177.734375	179.687500	-113.281250	2.0	wipetable
4990	0.788889	-0.487529	-0.907294	-113.281250	125.000000	-85.937500	2.0	wipetable
4991	0.467083	-0.886268	-0.644377	-5.859375	-13.671875	41.015625	2.0	wipetable
4992	0.217750	-1.069261	-0.092876	5.859375	-87.890625	29.296875	2.0	wipetable
4993	0.299400	-1.041556	0.313024	121.093750	-173.828125	27.343750	2.0	wipetable
4994	0.660890	-0.762434	0.450315	148.437500	-87.890625	5.859375	2.0	wipetable
4995	1.109034	-0.332460	0.426439	-9.765625	68.359375	-78.125000	2.0	wipetable
4996	1.284170	-0.180726	-0.194137	-226.562500	111.328125	-64.453125	2.0	wipetable
4997	1.083002	-0.545936	-0.553982	-179.687500	68.359375	-97.656250	2.0	wipetable
4998	0.699801	-0.927561	-0.544889	35.156250	17.578125	33.203125	2.0	wipetable
4999	0.319881	-1.150287	-0.008184	85.937500	-99.609375	37.109375	2.0	wipetable
5000	0.541928	-0.946422	0.301340	207.031250	-177.734375	62.500000	2.0	wipetable
5001	1.062657	-0.380353	0.462054	85.937500	9.765625	13.671875	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5002	1.300094	-0.059462	0.008482	-150.390625	115.234375	-85.937500	2.0	wipetable
5003	1.192557	-0.435677	-0.501161	-210.937500	103.515625	-41.015625	2.0	wipetable
5004	0.784284	-0.736406	-0.563196	-60.546875	54.687500	25.390625	2.0	wipetable
5005	0.358070	-1.098094	-0.219168	-3.906250	-60.546875	35.156250	2.0	wipetable
5006	0.227342	-1.308856	0.205999	105.468750	-162.109375	80.078125	2.0	wipetable
5007	0.548905	-1.097814	0.279850	205.078125	-162.109375	-3.906250	2.0	wipetable
5008	1.060593	-0.571188	0.336660	70.312500	21.484375	-50.781250	2.0	wipetable
5009	1.261356	-0.292713	-0.035504	-154.296875	105.468750	-93.750000	2.0	wipetable
5010	1.131814	-0.588128	-0.415052	-166.015625	101.562500	-121.093750	2.0	wipetable
5011	0.766588	-0.809127	-0.449031	-37.109375	56.640625	23.437500	2.0	wipetable
5012	0.328703	-1.097976	-0.044419	-23.437500	-56.640625	25.390625	2.0	wipetable
5013	0.284722	-1.265036	0.348349	128.906250	-171.875000	119.140625	2.0	wipetable
5014	0.789583	-0.959021	0.434009	214.843750	-119.140625	13.671875	2.0	wipetable
5015	1.236250	-0.437913	0.429156	23.437500	78.125000	-97.656250	2.0	wipetable
5016	1.310500	-0.281498	-0.086257	-203.125000	115.234375	-82.031250	2.0	wipetable
5017	1.048800	-0.493899	-0.383004	-166.015625	93.750000	-72.265625	2.0	wipetable
5018	0.673030	-0.715089	-0.329802	-68.359375	44.921875	-7.812500	2.0	wipetable
5019	0.410068	-0.941554	-0.116631	-62.500000	-58.593750	-15.625000	2.0	wipetable
5020	0.383541	-1.058682	0.073771	9.765625	-62.500000	50.781250	2.0	wipetable
5021	0.361374	-0.853959	0.106763	-25.390625	-101.562500	97.656250	2.0	wipetable
5022	0.366825	-0.699876	-0.035942	-125.000000	-126.953125	60.546875	2.0	wipetable
5023	0.401345	-0.613675	-0.340315	-220.703125	-125.000000	13.671875	2.0	wipetable
5024	0.453307	-0.593205	-0.766689	-250.000000	-132.812500	-101.562500	2.0	wipetable
5025	0.615734	-0.962173	-1.147514	-48.828125	-3.906250	248.046875	2.0	wipetable
5026	0.419440	-0.721054	-1.138508	19.531250	19.531250	-134.765625	2.0	wipetable
5027	0.320414	-0.520132	-1.058105	13.671875	29.296875	19.531250	2.0	wipetable
5028	0.235999	-0.424579	-1.016113	3.906250	9.765625	19.531250	2.0	wipetable
5029	0.229099	-0.360998	-0.990918	-5.859375	-25.390625	-25.390625	2.0	wipetable
5030	0.287459	-0.329099	-0.982051	5.859375	3.906250	-15.625000	2.0	wipetable
5031	0.284976	-0.322459	-0.976730	-1.953125	-5.859375	-1.953125	0.0	wipetable
5032	0.258485	-0.312225	-0.973538	-1.953125	-5.859375	-5.859375	0.0	wipetable
5033	0.261341	-0.312335	-0.971623	0.000000	-1.953125	-11.718750	0.0	wipetable
5034	0.269305	-0.293651	-0.970474	0.000000	-1.953125	-1.953125	0.0	wipetable
5035	0.261583	-0.301191	-0.969784	-1.953125	-1.953125	3.906250	0.0	wipetable
5036	0.263200	-0.305714	-0.969371	0.000000	-1.953125	-1.953125	0.0	wipetable
5037	0.264170	-0.308429	-0.975372	0.000000	-1.953125	-7.812500	0.0	wipetable
5038	0.258502	-0.297557	-0.972723	0.000000	-1.953125	0.000000	0.0	wipetable
5039	0.271915	-0.317744	-0.967403	0.000000	-1.953125	-9.765625	1.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5040	0.269399	-0.296896	-0.961692	-3.906250	-1.953125	3.906250	1.0	wipetable
5041	0.267889	-0.328138	-0.964515	-1.953125	-1.953125	-1.953125	1.0	wipetable
5042	0.266984	-0.309383	-0.966209	0.000000	-1.953125	-13.671875	1.0	wipetable
5043	0.272690	-0.298130	-0.967225	-1.953125	-1.953125	-3.906250	1.0	wipetable
5044	0.276114	-0.303878	-0.967835	-1.953125	-1.953125	3.906250	1.0	wipetable
5045	0.290668	-0.332327	-0.986951	11.718750	3.906250	-9.765625	1.0	wipetable
5046	0.336901	-0.449396	-1.060921	64.453125	15.625000	-15.625000	1.0	wipetable
5047	0.452141	-0.569638	-1.130302	138.671875	17.578125	-25.390625	2.0	wipetable
5048	0.440034	-0.704283	-0.996931	128.906250	39.062500	-33.203125	2.0	wipetable
5049	0.332771	-0.860070	-0.754409	158.203125	1.953125	-17.578125	2.0	wipetable
5050	0.343412	-0.872292	-0.377645	232.421875	-1.953125	-105.468750	2.0	wipetable
5051	0.699797	-0.398375	-0.126587	103.515625	82.031250	-78.125000	2.0	wipetable
5052	1.013628	-0.126525	-0.550952	-156.250000	148.437500	-91.796875	2.0	wipetable
5053	0.801927	-0.413415	-0.743071	-134.765625	119.140625	-46.875000	2.0	wipetable
5054	0.456156	-0.748049	-0.595843	23.437500	29.296875	31.250000	2.0	wipetable
5055	0.198694	-1.023829	-0.045006	35.156250	-72.265625	19.531250	2.0	wipetable
5056	0.331716	-1.083048	0.304247	136.718750	-160.156250	50.781250	2.0	wipetable
5057	0.705280	-0.712329	0.463798	185.546875	-64.453125	19.531250	2.0	wipetable
5058	1.035668	-0.302397	0.415779	-39.062500	66.406250	-44.921875	2.0	wipetable
5059	1.221401	-0.243938	-0.119283	-189.453125	105.468750	-56.640625	2.0	wipetable
5060	0.951590	-0.602613	-0.409070	-130.859375	93.750000	-76.171875	2.0	wipetable
5061	0.539704	-0.980318	-0.307942	-21.484375	-72.265625	0.000000	2.0	wipetable
5062	0.317573	-1.169441	0.183985	42.968750	-146.484375	54.687500	2.0	wipetable
5063	0.565544	-1.007914	0.366641	205.078125	-121.093750	29.296875	2.0	wipetable
5064	0.951826	-0.517249	0.457485	105.468750	-13.671875	5.859375	2.0	wipetable
5065	1.189846	-0.216599	0.118241	-103.515625	126.953125	-103.515625	2.0	wipetable
5066	1.176407	-0.454960	-0.316556	-185.546875	140.625000	-48.828125	2.0	wipetable
5067	0.712094	-0.829226	-0.421183	-50.781250	50.781250	5.859375	2.0	wipetable
5068	0.271007	-1.135035	-0.077710	5.859375	-83.984375	5.859375	2.0	wipetable
5069	0.312604	-1.281021	0.347124	105.468750	-169.921875	66.406250	2.0	wipetable
5070	0.625062	-0.912363	0.439524	199.218750	-87.890625	21.484375	2.0	wipetable
5071	1.031287	-0.516168	0.407465	23.437500	42.968750	-35.156250	2.0	wipetable
5072	1.225022	-0.334701	-0.024271	-160.156250	111.328125	-91.796875	2.0	wipetable
5073	1.091263	-0.582070	-0.320813	-175.781250	93.750000	-95.703125	2.0	wipetable
5074	0.642258	-0.999242	-0.367488	-44.921875	19.531250	1.953125	2.0	wipetable
5075	0.235355	-1.255795	-0.020493	25.390625	-125.000000	3.906250	2.0	wipetable
5076	0.497463	-1.303477	0.237704	154.296875	-214.843750	76.171875	2.0	wipetable
5077	0.948478	-0.807086	0.317623	197.265625	-68.359375	29.296875	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5078	1.225337	-0.465502	0.178074	3.906250	119.140625	-97.656250	2.0	wipetable
5079	1.291452	-0.404301	-0.199406	-167.968750	134.765625	-80.078125	2.0	wipetable
5080	1.056121	-0.592581	-0.325894	-123.046875	113.281250	-64.453125	2.0	wipetable
5081	0.708673	-0.780548	-0.164286	-64.453125	54.687500	-27.343750	2.0	wipetable
5082	0.456454	-0.955829	0.101428	-37.109375	-13.671875	-42.968750	2.0	wipetable
5083	0.380122	-0.960997	0.210857	5.859375	-25.390625	19.531250	2.0	wipetable
5084	0.359323	-0.764098	0.214014	-19.531250	-74.218750	56.640625	2.0	wipetable
5085	0.284344	-0.595959	0.109659	-111.328125	-126.953125	99.609375	2.0	wipetable
5086	0.264356	-0.570075	-0.196705	-248.046875	-191.406250	64.453125	2.0	wipetable
5087	0.352364	-0.635795	-0.630523	-242.187500	-130.859375	-23.437500	2.0	wipetable
5088	0.717668	-0.806477	-1.059564	-35.156250	105.468750	218.750000	2.0	wipetable
5089	0.455601	-0.840136	-1.048238	9.765625	19.531250	-5.859375	2.0	wipetable
5090	0.367111	-0.604082	-0.991443	3.906250	-11.718750	-46.875000	2.0	wipetable
5091	0.320266	-0.524949	-0.976116	-1.953125	3.906250	-9.765625	2.0	wipetable
5092	0.310910	-0.471219	-0.948169	5.859375	7.812500	9.765625	2.0	wipetable
5093	0.299046	-0.451482	-0.937652	-1.953125	3.906250	0.000000	2.0	wipetable
5094	0.304428	-0.402139	-0.925091	0.000000	5.859375	3.906250	0.0	wipetable
5095	0.295157	-0.435033	-0.923805	-5.859375	3.906250	15.625000	0.0	wipetable
5096	0.289594	-0.423520	-0.916783	-1.953125	1.953125	-3.906250	0.0	wipetable
5097	0.286256	-0.435362	-0.912570	-3.906250	0.000000	1.953125	0.0	wipetable
5098	0.284254	-0.423717	-0.916292	0.000000	-1.953125	-3.906250	0.0	wipetable
5099	0.289302	-0.429230	-0.918525	-3.906250	-1.953125	-1.953125	0.0	wipetable
5100	0.286081	-0.420038	-0.919865	-1.953125	-1.953125	-3.906250	0.0	wipetable
5101	0.290399	-0.408273	-0.926919	-1.953125	0.000000	1.953125	0.0	wipetable
5102	0.278714	-0.407141	-0.928219	0.000000	-3.906250	-13.671875	1.0	wipetable
5103	0.285979	-0.363034	-0.925681	-11.718750	0.000000	0.000000	1.0	wipetable
5104	0.271587	-0.399071	-0.955409	-5.859375	1.953125	3.906250	1.0	wipetable
5105	0.275452	-0.389442	-0.948245	1.953125	-1.953125	-3.906250	1.0	wipetable
5106	0.284021	-0.377415	-0.943947	1.953125	-1.953125	-5.859375	1.0	wipetable
5107	0.282913	-0.376449	-0.941368	0.000000	0.000000	0.000000	1.0	wipetable
5108	0.282248	-0.407120	-0.958571	3.906250	-1.953125	-3.906250	1.0	wipetable
5109	0.269349	-0.525522	-1.025143	39.062500	-29.296875	-27.343750	1.0	wipetable
5110	0.317859	-0.696563	-1.058836	117.187500	-44.921875	-54.687500	2.0	wipetable
5111	0.309466	-0.936688	-0.972801	173.828125	-25.390625	-41.015625	2.0	wipetable
5112	0.185679	-1.074513	-0.752431	248.046875	-29.296875	-95.703125	2.0	wipetable
5113	0.273908	-0.775958	-0.401458	222.656250	9.765625	-177.734375	2.0	wipetable
5114	0.776845	-0.284325	-0.440875	-25.390625	136.718750	-195.312500	2.0	wipetable
5115	0.847357	-0.220595	-0.777025	-226.562500	103.515625	-130.859375	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5116	0.677164	-0.557357	-0.753715	-66.406250	42.968750	31.250000	2.0	wipetable
5117	0.412548	-0.921914	-0.383479	5.859375	-25.390625	72.265625	2.0	wipetable
5118	0.391279	-1.178148	0.107413	68.359375	-158.203125	72.265625	2.0	wipetable
5119	0.653517	-0.894389	0.276948	220.703125	-111.328125	21.484375	2.0	wipetable
5120	1.017110	-0.374133	0.378669	85.937500	-1.953125	-41.015625	2.0	wipetable
5121	1.229016	0.000520	0.052201	-123.046875	101.562500	-123.046875	2.0	wipetable
5122	1.237410	-0.230938	-0.349929	-234.375000	58.593750	-74.218750	2.0	wipetable
5123	0.923696	-0.701063	-0.428708	-78.125000	62.500000	76.171875	2.0	wipetable
5124	0.554218	-0.989388	-0.107225	48.828125	-52.734375	25.390625	2.0	wipetable
5125	0.513781	-1.049883	0.304415	103.515625	-132.812500	56.640625	2.0	wipetable
5126	0.745768	-0.698680	0.451399	169.921875	-89.843750	19.531250	2.0	wipetable
5127	1.103711	-0.244208	0.477089	-21.484375	9.765625	-37.109375	2.0	wipetable
5128	1.255977	-0.052775	-0.019996	-177.734375	89.843750	-60.546875	2.0	wipetable
5129	1.166086	-0.369165	-0.380748	-187.500000	39.062500	-41.015625	2.0	wipetable
5130	0.830902	-0.765249	-0.447199	-7.812500	23.437500	52.734375	2.0	wipetable
5131	0.511041	-1.059149	-0.043319	60.546875	-68.359375	27.343750	2.0	wipetable
5132	0.637875	-0.985490	0.305258	177.734375	-105.468750	19.531250	2.0	wipetable
5133	0.920225	-0.460044	0.470655	126.953125	-13.671875	19.531250	2.0	wipetable
5134	1.139635	-0.119776	0.269893	-72.265625	87.890625	-101.562500	2.0	wipetable
5135	1.258781	-0.103116	-0.181814	-201.171875	50.781250	-52.734375	2.0	wipetable
5136	1.017769	-0.361869	-0.390339	-103.515625	74.218750	-50.781250	2.0	wipetable
5137	0.691911	-0.835872	-0.252953	19.531250	-31.250000	33.203125	2.0	wipetable
5138	0.527647	-1.070273	0.135728	105.468750	-152.343750	64.453125	2.0	wipetable
5139	0.785338	-0.829664	0.256437	230.468750	-109.375000	19.531250	2.0	wipetable
5140	1.083703	-0.279048	0.347612	117.187500	-3.906250	-9.765625	2.0	wipetable
5141	1.218972	0.001321	0.127317	-117.187500	97.656250	-113.281250	2.0	wipetable
5142	1.175133	-0.030457	-0.204860	-197.265625	93.750000	-11.718750	2.0	wipetable
5143	0.905080	-0.249524	-0.335416	-169.921875	74.218750	76.171875	2.0	wipetable
5144	0.524298	-0.505965	-0.326249	-93.750000	23.437500	115.234375	2.0	wipetable
5145	0.214579	-0.547329	-0.295750	-121.093750	-48.828125	52.734375	2.0	wipetable
5146	0.016247	-0.634647	-0.396200	-205.078125	-87.890625	48.828125	2.0	wipetable
5147	0.040998	-0.768288	-0.581470	-232.421875	-105.468750	-58.593750	2.0	wipetable
5148	0.249599	-0.779723	-0.861382	-175.781250	-48.828125	-64.453125	2.0	wipetable
5149	0.499759	-0.861584	-1.198079	-60.546875	85.937500	195.312500	2.0	wipetable
5150	0.412356	-0.673200	-1.156347	48.828125	31.250000	-142.578125	2.0	wipetable
5151	0.322413	-0.453920	-1.068808	19.531250	7.812500	-5.859375	2.0	wipetable
5152	0.224698	-0.347352	-1.028785	1.953125	17.578125	0.000000	2.0	wipetable
5153	0.228569	-0.327161	-1.023521	-3.906250	-21.484375	-41.015625	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5154	0.374641	-0.252547	-0.976613	9.765625	25.390625	-25.390625	2.0	wipetable
5155	0.381035	-0.232778	-0.973468	5.859375	3.906250	-37.109375	0.0	wipetable
5156	0.341121	-0.214667	-0.965331	1.953125	-15.625000	11.718750	0.0	wipetable
5157	0.335923	-0.241300	-0.979198	0.000000	-13.671875	13.671875	0.0	wipetable
5158	0.357804	-0.226030	-0.968769	0.000000	3.906250	-1.953125	0.0	wipetable
5159	0.352182	-0.223118	-0.968761	-3.906250	-3.906250	5.859375	0.0	wipetable
5160	0.336309	-0.240121	-0.968757	-3.906250	0.000000	9.765625	0.0	wipetable
5161	0.339286	-0.250322	-0.968754	0.000000	0.000000	1.953125	0.0	wipetable
5162	0.334821	-0.256443	-0.968752	0.000000	-1.953125	-5.859375	0.0	wipetable
5163	0.338144	-0.250431	-0.968750	0.000000	-1.953125	-3.906250	1.0	wipetable
5164	0.340386	-0.250259	-0.968750	0.000000	-1.953125	-1.953125	1.0	wipetable
5165	0.341732	-0.250155	-0.968750	0.000000	-1.953125	-1.953125	1.0	wipetable
5166	0.342539	-0.256343	-0.968750	-1.953125	0.000000	-1.953125	1.0	wipetable
5167	0.336773	-0.253806	-0.968750	0.000000	0.000000	0.000000	1.0	wipetable
5168	0.339564	-0.258534	-0.968750	0.000000	0.000000	0.000000	1.0	wipetable
5169	0.347488	-0.280120	-0.987500	5.859375	-3.906250	-1.953125	1.0	wipetable
5170	0.408493	-0.405572	-1.092500	68.359375	-21.484375	-13.671875	1.0	wipetable
5171	0.451346	-0.549593	-1.149250	154.296875	11.718750	-15.625000	2.0	wipetable
5172	0.383308	-0.842256	-1.052050	167.968750	-9.765625	-35.156250	2.0	wipetable
5173	0.204985	-0.930354	-0.824980	246.093750	-74.218750	-44.921875	2.0	wipetable
5174	0.222991	-0.683212	-0.451238	248.046875	-54.687500	-134.765625	2.0	wipetable
5175	0.708794	-0.253677	-0.270743	41.015625	72.265625	-123.046875	2.0	wipetable
5176	1.050277	-0.077206	-0.712446	-205.078125	156.250000	-250.000000	2.0	wipetable
5177	0.836416	-0.521324	-0.896217	-169.921875	103.515625	19.531250	2.0	wipetable
5178	0.426850	-0.856544	-0.600230	25.390625	3.906250	13.671875	2.0	wipetable
5179	0.318610	-1.151427	-0.035138	1.953125	-142.578125	70.312500	2.0	wipetable
5180	0.491166	-1.053356	0.235167	181.640625	-160.156250	60.546875	2.0	wipetable
5181	0.869700	-0.732014	0.359850	148.437500	-56.640625	-15.625000	2.0	wipetable
5182	1.159320	-0.332958	0.265910	-44.921875	93.750000	-113.281250	2.0	wipetable
5183	1.295592	-0.168525	-0.246704	-214.843750	91.796875	-78.125000	2.0	wipetable
5184	1.058605	-0.532365	-0.548022	-134.765625	103.515625	-48.828125	2.0	wipetable
5185	0.597663	-0.900669	-0.391313	3.906250	3.906250	23.437500	2.0	wipetable
5186	0.308598	-1.152901	0.090212	50.781250	-97.656250	31.250000	2.0	wipetable
5187	0.497659	-0.954241	0.335377	199.218750	-146.484375	42.968750	2.0	wipetable
5188	0.898595	-0.441294	0.501226	91.796875	-33.203125	-5.859375	2.0	wipetable
5189	1.189157	-0.089777	0.181986	-144.531250	87.890625	-107.421875	2.0	wipetable
5190	1.282244	-0.197616	-0.384559	-236.328125	93.750000	-46.875000	2.0	wipetable
5191	0.913097	-0.587320	-0.561985	-70.312500	74.218750	62.500000	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5192	0.479108	-0.983642	-0.343441	41.015625	-37.109375	37.109375	2.0	wipetable
5193	0.306215	-1.183935	0.137685	97.656250	-166.015625	72.265625	2.0	wipetable
5194	0.602479	-0.885361	0.301361	224.609375	-132.812500	37.109375	2.0	wipetable
5195	1.011487	-0.456217	0.393317	72.265625	7.812500	-3.906250	2.0	wipetable
5196	1.163142	-0.179980	0.029740	-148.437500	91.796875	-101.562500	2.0	wipetable
5197	1.147885	-0.432988	-0.363406	-199.218750	80.078125	-70.312500	2.0	wipetable
5198	0.769981	-0.791043	-0.411794	-52.734375	56.640625	52.734375	2.0	wipetable
5199	0.405739	-1.093376	-0.097076	7.812500	-85.937500	9.765625	2.0	wipetable
5200	0.405943	-1.212275	0.241754	99.609375	-220.703125	76.171875	2.0	wipetable
5201	0.831066	-0.964865	0.288803	207.031250	-125.000000	15.625000	2.0	wipetable
5202	1.136140	-0.566419	0.285782	62.500000	50.781250	-23.437500	2.0	wipetable
5203	1.206684	-0.346101	-0.047281	-117.187500	128.906250	-103.515625	2.0	wipetable
5204	1.105260	-0.413911	-0.284619	-179.687500	105.468750	-48.828125	2.0	wipetable
5205	0.825656	-0.604597	-0.258271	-128.906250	95.703125	5.859375	2.0	wipetable
5206	0.582894	-0.794008	-0.142463	-87.890625	41.015625	0.000000	2.0	wipetable
5207	0.343486	-0.826405	-0.091728	-87.890625	-17.578125	25.390625	2.0	wipetable
5208	0.137342	-0.695843	-0.092537	-126.953125	-93.750000	72.265625	2.0	wipetable
5209	0.057405	-0.742506	-0.330522	-214.843750	-148.437500	64.453125	2.0	wipetable
5210	0.109443	-0.789253	-0.667063	-212.890625	-126.953125	-5.859375	2.0	wipetable
5211	0.315666	-0.698552	-1.012738	-171.875000	-21.484375	-97.656250	0.0	wipetable
5212	0.414399	-0.775381	-1.051393	-7.812500	99.609375	56.640625	0.0	wipetable
5213	0.411140	-0.583979	-1.062086	35.156250	-48.828125	-121.093750	0.0	wipetable
5214	0.321684	-0.456637	-0.987251	-23.437500	5.859375	-7.812500	0.0	wipetable
5215	0.243010	-0.411482	-0.973601	-19.531250	11.718750	7.812500	0.0	wipetable
5216	0.270806	-0.428139	-0.990410	1.953125	-25.390625	-41.015625	0.0	wipetable
5217	0.349984	-0.319384	-0.956746	29.296875	5.859375	-50.781250	0.0	wipetable
5218	0.353740	-0.291630	-0.955298	1.953125	-9.765625	-11.718750	0.0	wipetable
5219	0.328012	-0.290791	-0.953806	0.000000	0.000000	-3.906250	1.0	wipetable
5220	0.328057	-0.293225	-0.953533	0.000000	-1.953125	-1.953125	1.0	wipetable
5221	0.328084	-0.294685	-0.953370	0.000000	-1.953125	-3.906250	1.0	wipetable
5222	0.328101	-0.295561	-0.953272	0.000000	-1.953125	-5.859375	1.0	wipetable
5223	0.328110	-0.296087	-0.959463	0.000000	-1.953125	-5.859375	1.0	wipetable
5224	0.334366	-0.308902	-0.963178	7.812500	-3.906250	-7.812500	1.0	wipetable
5225	0.344370	-0.322841	-0.971657	25.390625	-1.953125	5.859375	1.0	wipetable
5226	0.381622	-0.574955	-1.082994	80.078125	-23.437500	0.000000	1.0	wipetable
5227	0.397723	-0.751223	-1.149796	164.062500	-35.156250	-27.343750	2.0	wipetable
5228	0.301134	-0.869484	-0.952378	201.171875	-48.828125	-48.828125	2.0	wipetable
5229	0.205680	-0.821690	-0.571427	248.046875	-27.343750	-103.515625	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5230	0.498408	-0.599264	-0.299106	160.156250	56.640625	-156.250000	2.0	wipetable
5231	0.867795	-0.315808	-0.535714	-60.546875	193.359375	-244.140625	2.0	wipetable
5232	0.883177	-0.508235	-0.790178	-201.171875	74.218750	-68.359375	2.0	wipetable
5233	0.567406	-0.823691	-0.599107	-17.578125	29.296875	62.500000	2.0	wipetable
5234	0.309194	-1.081715	-0.103214	0.000000	-97.656250	25.390625	2.0	wipetable
5235	0.366766	-1.086529	0.256822	109.375000	-160.156250	46.875000	2.0	wipetable
5236	0.701310	-0.770667	0.341593	150.390625	-111.328125	27.343750	2.0	wipetable
5237	1.083286	-0.393650	0.317456	17.578125	50.781250	-37.109375	2.0	wipetable
5238	1.237472	-0.242440	-0.159527	-195.312500	109.375000	-111.328125	2.0	wipetable
5239	1.179983	-0.589214	-0.520716	-197.265625	91.796875	-62.500000	2.0	wipetable
5240	0.745490	-0.941028	-0.518680	-13.671875	76.171875	70.312500	2.0	wipetable
5241	0.328544	-1.139617	-0.117458	31.250000	-62.500000	35.156250	2.0	wipetable
5242	0.272126	-1.190020	0.273275	125.000000	-158.203125	85.937500	2.0	wipetable
5243	0.638276	-0.857762	0.345215	177.734375	-156.250000	35.156250	2.0	wipetable
5244	1.070465	-0.508407	0.350879	9.765625	13.671875	-54.687500	2.0	wipetable
5245	1.223529	-0.242544	-0.108223	-177.734375	117.187500	-101.562500	2.0	wipetable
5246	1.140368	-0.570527	-0.439934	-181.640625	101.562500	-78.125000	2.0	wipetable
5247	0.796721	-0.904816	-0.488960	-35.156250	60.546875	-39.062500	2.0	wipetable
5248	0.465532	-1.205390	-0.118376	17.578125	-66.406250	9.765625	2.0	wipetable
5249	0.466819	-1.229484	0.278974	142.578125	-156.250000	74.218750	2.0	wipetable
5250	0.717592	-0.775190	0.404885	230.468750	-54.687500	-44.921875	2.0	wipetable
5251	1.111805	-0.202614	0.286681	-11.718750	41.015625	-76.171875	2.0	wipetable
5252	1.260833	-0.096568	-0.252992	-242.187500	58.593750	-48.828125	2.0	wipetable
5253	1.019000	-0.432941	-0.489295	-164.062500	93.750000	1.953125	2.0	wipetable
5254	0.592650	-0.853515	-0.312327	-19.531250	-31.250000	23.437500	2.0	wipetable
5255	0.411840	-1.143359	0.075104	54.687500	-152.343750	44.921875	2.0	wipetable
5256	0.609604	-1.136015	0.251312	191.406250	-162.109375	58.593750	2.0	wipetable
5257	0.934512	-0.725359	0.294537	183.593750	-56.640625	-15.625000	2.0	wipetable
5258	1.179457	-0.347715	0.170472	-29.296875	83.984375	-95.703125	2.0	wipetable
5259	1.201424	-0.296129	-0.153967	-177.734375	113.281250	-85.937500	2.0	wipetable
5260	1.052105	-0.521428	-0.286130	-152.343750	103.515625	-44.921875	2.0	wipetable
5261	0.775013	-0.694107	-0.177928	-85.937500	82.031250	5.859375	2.0	wipetable
5262	0.508758	-0.841464	-0.044257	-68.359375	31.250000	9.765625	2.0	wipetable
5263	0.311505	-0.848628	0.023446	-60.546875	-42.968750	42.968750	2.0	wipetable
5264	0.205653	-0.696677	0.020318	-97.656250	-125.000000	60.546875	2.0	wipetable
5265	0.160892	-0.624256	-0.175309	-201.171875	-150.390625	80.078125	2.0	wipetable
5266	0.215285	-0.674554	-0.542686	-234.375000	-128.906250	-5.859375	2.0	wipetable
5267	0.254171	-0.754732	-0.906861	-185.546875	-50.781250	19.531250	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5268	0.458753	-0.721589	-1.000367	-17.578125	134.765625	-15.625000	2.0	wipetable
5269	0.431502	-0.651704	-0.968970	27.343750	-11.718750	-5.859375	2.0	wipetable
5270	0.371401	-0.434772	-0.975132	13.671875	-9.765625	-58.593750	2.0	wipetable
5271	0.304091	-0.373363	-0.960079	-19.531250	11.718750	17.578125	2.0	wipetable
5272	0.257454	-0.361518	-0.963548	-15.625000	-9.765625	-15.625000	2.0	wipetable
5273	0.348223	-0.354411	-0.965629	13.671875	9.765625	-37.109375	0.0	wipetable
5274	0.358934	-0.312646	-0.960627	0.000000	-5.859375	-27.343750	0.0	wipetable
5275	0.346610	-0.287588	-0.963876	0.000000	3.906250	-3.906250	0.0	wipetable
5276	0.326716	-0.272553	-0.959576	0.000000	0.000000	7.812500	0.0	wipetable
5277	0.339780	-0.269782	-0.956995	-3.906250	-3.906250	0.000000	0.0	wipetable
5278	0.353868	-0.280619	-0.955447	-3.906250	1.953125	11.718750	0.0	wipetable
5279	0.349821	-0.280871	-0.954518	0.000000	-1.953125	1.953125	0.0	wipetable
5280	0.347392	-0.281023	-0.953961	0.000000	0.000000	-3.906250	0.0	wipetable
5281	0.343892	-0.282468	-0.953308	0.000000	0.000000	0.000000	1.0	wipetable
5282	0.343835	-0.281981	-0.953235	0.000000	0.000000	0.000000	1.0	wipetable
5283	0.343801	-0.287938	-0.953191	0.000000	-1.953125	-1.953125	1.0	wipetable
5284	0.343781	-0.285263	-0.953165	0.000000	-1.953125	-3.906250	1.0	wipetable
5285	0.343768	-0.277408	-0.953149	0.000000	-1.953125	-1.953125	1.0	wipetable
5286	0.343761	-0.278945	-0.953139	0.000000	-1.953125	-1.953125	1.0	wipetable
5287	0.343757	-0.286117	-0.953134	0.000000	-1.953125	-1.953125	1.0	wipetable
5288	0.356254	-0.309170	-0.971880	7.812500	-3.906250	-7.812500	1.0	wipetable
5289	0.445002	-0.504252	-1.126878	111.328125	-3.906250	-64.453125	2.0	wipetable
5290	0.523251	-0.615051	-1.157377	162.109375	21.484375	5.859375	2.0	wipetable
5291	0.426451	-0.831531	-0.963176	160.156250	-11.718750	13.671875	2.0	wipetable
5292	0.249621	-0.911418	-0.627906	248.046875	-42.968750	-132.812500	2.0	wipetable
5293	0.431022	-0.571851	-0.157993	195.312500	13.671875	-179.687500	2.0	wipetable
5294	0.921113	-0.249361	-0.401046	-37.109375	248.046875	-169.921875	2.0	wipetable
5295	1.015168	-0.418366	-0.834378	-250.000000	89.843750	-27.343750	2.0	wipetable
5296	0.615351	-0.757270	-0.694377	-35.156250	68.359375	44.921875	2.0	wipetable
5297	0.344210	-0.966862	-0.260376	15.625000	-54.687500	17.578125	2.0	wipetable
5298	0.331526	-1.061367	0.168774	66.406250	-171.875000	46.875000	2.0	wipetable
5299	0.573916	-0.843070	0.276265	171.875000	-134.765625	39.062500	2.0	wipetable
5300	0.994349	-0.580842	0.359509	76.171875	1.953125	3.906250	2.0	wipetable
5301	1.171610	-0.167255	0.146955	-82.031250	107.421875	-111.328125	2.0	wipetable
5302	1.265466	-0.375353	-0.349327	-205.078125	82.031250	-76.171875	2.0	wipetable
5303	0.859279	-0.712712	-0.409596	-93.750000	74.218750	56.640625	2.0	wipetable
5304	0.496818	-0.958877	-0.152008	-11.718750	-29.296875	15.625000	2.0	wipetable
5305	0.279341	-1.069076	0.171295	64.453125	-123.046875	70.312500	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5306	0.561354	-0.953946	0.315277	160.156250	-160.156250	27.343750	2.0	wipetable
5307	0.999313	-0.541117	0.451666	76.171875	-11.718750	-19.531250	2.0	wipetable
5308	1.162088	-0.180920	0.114750	-130.859375	115.234375	-142.578125	2.0	wipetable
5309	1.184753	-0.383552	-0.349900	-187.500000	74.218750	-11.718750	2.0	wipetable
5310	0.904602	-0.673881	-0.428690	-78.125000	91.796875	46.875000	2.0	wipetable
5311	0.492761	-0.948079	-0.263464	17.578125	27.343750	19.531250	2.0	wipetable
5312	0.233157	-1.131347	0.104422	62.500000	-126.953125	80.078125	2.0	wipetable
5313	0.433644	-1.003808	0.312653	160.156250	-169.921875	35.156250	2.0	wipetable
5314	0.853936	-0.602285	0.462592	87.890625	-41.015625	-17.578125	2.0	wipetable
5315	1.162362	-0.173871	0.165055	-123.046875	58.593750	-95.703125	2.0	wipetable
5316	1.166167	-0.316823	-0.319717	-212.890625	78.125000	-17.578125	2.0	wipetable
5317	0.805950	-0.633844	-0.441830	-62.500000	64.453125	25.390625	2.0	wipetable
5318	0.464820	-0.930306	-0.221348	19.531250	-35.156250	15.625000	2.0	wipetable
5319	0.341392	-1.120684	0.142191	93.750000	-115.234375	42.968750	2.0	wipetable
5320	0.523585	-0.953660	0.254065	193.359375	-148.437500	35.156250	2.0	wipetable
5321	0.889151	-0.578446	0.339939	109.375000	-62.500000	15.625000	2.0	wipetable
5322	1.152241	-0.315818	0.128963	-85.937500	85.937500	-80.078125	2.0	wipetable
5323	1.178844	-0.314491	-0.210122	-183.593750	121.093750	-76.171875	2.0	wipetable
5324	0.957307	-0.532444	-0.313573	-125.000000	117.187500	-9.765625	2.0	wipetable
5325	0.655634	-0.750717	-0.181894	-60.546875	62.500000	5.859375	2.0	wipetable
5326	0.505880	-0.881680	-0.065386	-27.343750	3.906250	7.812500	2.0	wipetable
5327	0.416028	-0.860258	0.029518	-15.625000	-35.156250	42.968750	2.0	wipetable
5328	0.368367	-0.741155	0.067711	-50.781250	-70.312500	39.062500	2.0	wipetable
5329	0.383520	-0.788443	-0.003123	-109.375000	-87.890625	56.640625	2.0	wipetable
5330	0.342612	-0.854316	-0.151874	-109.375000	-50.781250	62.500000	2.0	wipetable
5331	0.205567	-0.843839	-0.328624	-128.906250	-56.640625	80.078125	2.0	wipetable
5332	0.173340	-0.768804	-0.522175	-130.859375	-33.203125	-64.453125	2.0	wipetable
5333	0.247754	-0.648782	-0.757055	-146.484375	-41.015625	-166.015625	2.0	wipetable
5334	0.761153	-0.895519	-0.985483	-68.359375	23.437500	164.062500	2.0	wipetable
5335	0.575442	-0.662312	-0.991290	19.531250	-27.343750	-46.875000	2.0	wipetable
5336	0.414015	-0.509887	-0.951024	-1.953125	3.906250	11.718750	2.0	wipetable
5337	0.329659	-0.424682	-0.951864	-11.718750	0.000000	-9.765625	2.0	wipetable
5338	0.354045	-0.429809	-0.964869	5.859375	7.812500	-17.578125	2.0	wipetable
5339	0.374927	-0.357886	-0.947671	5.859375	0.000000	-17.578125	2.0	wipetable
5340	0.349956	-0.333481	-0.949853	-5.859375	-3.906250	7.812500	0.0	wipetable
5341	0.328724	-0.337589	-0.951162	-1.953125	1.953125	3.906250	0.0	wipetable
5342	0.347234	-0.327553	-0.951947	1.953125	1.953125	-3.906250	0.0	wipetable
5343	0.345841	-0.315282	-0.946168	-1.953125	-1.953125	0.000000	0.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5344	0.332504	-0.320419	-0.942701	-1.953125	0.000000	0.000000	0.0	wipetable
5345	0.337003	-0.317252	-0.940621	0.000000	0.000000	-3.906250	0.0	wipetable
5346	0.339702	-0.315351	-0.939372	-1.953125	-1.953125	1.953125	0.0	wipetable
5347	0.341321	-0.314211	-0.938623	-1.953125	0.000000	0.000000	0.0	wipetable
5348	0.342354	-0.344734	-0.935367	0.000000	-1.953125	-5.859375	1.0	wipetable
5349	0.342913	-0.331841	-0.936220	0.000000	-1.953125	-3.906250	1.0	wipetable
5350	0.349498	-0.330354	-0.936732	-3.906250	0.000000	5.859375	1.0	wipetable
5351	0.340949	-0.341963	-0.937039	-1.953125	0.000000	5.859375	1.0	wipetable
5352	0.335819	-0.348928	-0.937224	0.000000	-1.953125	0.000000	1.0	wipetable
5353	0.345241	-0.359357	-0.943584	3.906250	-3.906250	-11.718750	1.0	wipetable
5354	0.344645	-0.353114	-0.947400	7.812500	-7.812500	-17.578125	1.0	wipetable
5355	0.350537	-0.393118	-0.987190	17.578125	-17.578125	0.000000	1.0	wipetable
5356	0.379072	-0.567121	-1.111064	74.218750	-46.875000	13.671875	2.0	wipetable
5357	0.371193	-0.734023	-1.085389	160.156250	-9.765625	-17.578125	2.0	wipetable
5358	0.291466	-0.952914	-0.863733	214.843750	-15.625000	-42.968750	2.0	wipetable
5359	0.237380	-0.915498	-0.518240	248.046875	-27.343750	-123.046875	2.0	wipetable
5360	0.473678	-0.393049	-0.192194	117.187500	33.203125	-173.828125	2.0	wipetable
5361	0.921707	-0.098329	-0.565316	-158.203125	136.718750	-181.640625	2.0	wipetable
5362	0.846774	-0.390248	-0.832940	-205.078125	113.281250	-25.390625	2.0	wipetable
5363	0.545564	-0.734149	-0.681014	7.812500	50.781250	41.015625	2.0	wipetable
5364	0.314839	-1.059239	-0.246108	27.343750	-35.156250	3.906250	2.0	wipetable
5365	0.270153	-1.129293	0.221085	128.906250	-134.765625	56.640625	2.0	wipetable
5366	0.612092	-0.752576	0.376401	191.406250	-91.796875	46.875000	2.0	wipetable
5367	0.973505	-0.364046	0.450841	11.718750	35.156250	-27.343750	2.0	wipetable
5368	1.215353	-0.149677	-0.048246	-203.125000	44.921875	-80.078125	2.0	wipetable
5369	1.129212	-0.521056	-0.416447	-146.484375	113.281250	-80.078125	2.0	wipetable
5370	0.683777	-0.881384	-0.349868	-29.296875	29.296875	23.437500	2.0	wipetable
5371	0.316516	-1.103830	0.021329	33.203125	-85.937500	9.765625	2.0	wipetable
5372	0.377410	-1.149798	0.275297	123.046875	-167.968750	48.828125	2.0	wipetable
5373	0.695196	-0.789879	0.352678	193.359375	-97.656250	27.343750	2.0	wipetable
5374	1.142118	-0.373927	0.349107	-19.531250	29.296875	-1.953125	2.0	wipetable
5375	1.247771	-0.174356	-0.078036	-193.359375	119.140625	-93.750000	2.0	wipetable
5376	1.098662	-0.523364	-0.465571	-183.593750	111.328125	-68.359375	2.0	wipetable
5377	0.709197	-0.857768	-0.385593	-31.250000	52.734375	44.921875	2.0	wipetable
5378	0.381768	-1.120911	-0.068856	21.484375	-74.218750	3.906250	2.0	wipetable
5379	0.322811	-1.185047	0.208687	113.281250	-166.015625	78.125000	2.0	wipetable
5380	0.624937	-0.892278	0.268962	173.828125	-152.343750	62.500000	2.0	wipetable
5381	1.106212	-0.529117	0.298877	44.921875	15.625000	-21.484375	2.0	wipetable

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z	Stage	Activity
5382	1.226227	-0.267470	-0.045674	-175.781250	109.375000	-125.000000	2.0	wipetable
5383	1.079486	-0.572982	-0.427404	-191.406250	103.515625	-107.421875	2.0	wipetable
5384	0.747692	-0.856289	-0.400193	-37.109375	52.734375	52.734375	2.0	wipetable
5385	0.411115	-1.038774	-0.102616	7.812500	-50.781250	7.812500	2.0	wipetable
5386	0.359169	-1.204514	0.207181	74.218750	-162.109375	54.687500	2.0	wipetable
5387	0.609251	-1.022708	0.268058	181.640625	-148.437500	31.250000	2.0	wipetable
5388	1.003051	-0.594875	0.323335	97.656250	-48.828125	0.000000	2.0	wipetable
5389	1.183081	-0.294425	0.075251	-101.562500	117.187500	-109.375000	2.0	wipetable
5390	1.103598	-0.320405	-0.292349	-177.734375	148.437500	-42.968750	2.0	wipetable
5391	0.774659	-0.517243	-0.306660	-97.656250	121.093750	7.812500	2.0	wipetable
5392	0.521045	-0.791596	-0.096496	-54.687500	33.203125	5.859375	2.0	wipetable
5393	0.406377	-0.893707	0.067103	-13.671875	-5.859375	13.671875	2.0	wipetable
5394	0.350076	-0.861224	0.127762	3.906250	-27.343750	42.968750	2.0	wipetable
5395	0.278796	-0.722985	0.089157	-44.921875	-68.359375	74.218750	2.0	wipetable
5396	0.211027	-0.602541	-0.046506	-150.390625	-113.281250	52.734375	2.0	wipetable
5397	0.164116	-0.636524	-0.352904	-238.281250	-115.234375	87.890625	2.0	wipetable
5398	0.235970	-0.850665	-0.711742	-234.375000	-64.453125	-82.031250	2.0	wipetable
5399	0.297832	-0.747899	-0.895795	-83.984375	60.546875	-158.203125	2.0	wipetable
5400	0.722449	-1.036239	-1.043727	-64.453125	27.343750	142.578125	2.0	wipetable
5401	0.558469	-0.709244	-1.019986	37.109375	-42.968750	-62.500000	2.0	wipetable
5402	0.410082	-0.531796	-0.968242	-15.625000	13.671875	11.718750	2.0	wipetable
5403	0.308549	-0.450328	-0.968445	-15.625000	-3.906250	7.812500	2.0	wipetable
5404	0.378879	-0.395197	-0.968567	15.625000	11.718750	-27.343750	2.0	wipetable
5405	0.371078	-0.343368	-0.949890	-5.859375	-5.859375	3.906250	2.0	wipetable
5406	0.335147	-0.343521	-0.951184	-5.859375	-1.953125	7.812500	0.0	wipetable
5407	0.326088	-0.324862	-0.945710	1.953125	1.953125	-9.765625	0.0	wipetable
5408	0.339403	-0.313667	-0.942426	-1.953125	-1.953125	-1.953125	0.0	wipetable
5409	0.334892	-0.319450	-0.946706	0.000000	-1.953125	0.000000	0.0	wipetable
5410	0.332185	-0.316670	-0.949273	-1.953125	0.000000	5.859375	0.0	wipetable
5411	0.336811	-0.315002	-0.950814	1.953125	0.000000	-1.953125	0.0	wipetable
5412	0.333337	-0.320251	-0.951738	0.000000	-1.953125	0.000000	0.0	wipetable
5413	0.331252	-0.317151	-0.952293	1.953125	-1.953125	-3.906250	0.0	wipetable

In [10]:
```
X = combined_raw.iloc[:,:-2]
y = combined_raw.iloc[:, -1]
```

In [11]:
```
X
```

Out[11]:

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
0	0.347305	-0.299063	-0.941626	-1.953125	-1.953125	0.000000
1	0.352133	-0.304438	-0.939976	0.000000	0.000000	0.000000
2	0.355030	-0.313913	-0.938985	0.000000	1.953125	-1.953125
3	0.356768	-0.319598	-0.944641	1.953125	0.000000	-1.953125
4	0.351561	-0.323009	-0.941785	3.906250	-1.953125	0.000000
5	0.348436	-0.325055	-0.940071	5.859375	-1.953125	0.000000
6	0.352812	-0.351283	-0.939043	7.812500	0.000000	0.000000
7	0.361687	-0.485770	-0.982176	27.343750	3.906250	-1.953125
8	0.292012	-0.872712	-1.133055	117.187500	-7.812500	-33.203125
9	0.175207	-1.136127	-1.479833	248.046875	-146.484375	-115.234375
10	0.605124	-0.512926	-1.637900	248.046875	-140.625000	-250.000000
11	1.156825	-0.026506	-1.463990	-250.000000	248.046875	-250.000000
12	0.825345	-0.440903	-1.678394	-250.000000	248.046875	-250.000000
13	0.563957	-1.064542	-1.007036	-208.984375	48.828125	-105.468750
14	0.494624	-0.688725	-0.266722	50.781250	27.343750	-31.250000
15	0.503024	-0.531985	0.177467	-1.953125	-3.906250	-7.812500
16	0.508065	-0.387941	0.437730	11.718750	1.953125	-7.812500
17	0.554839	-0.351515	0.593888	-3.906250	1.953125	-15.625000
18	0.551653	-0.317159	0.681333	-13.671875	-13.671875	7.812500
19	0.537242	-0.296545	0.733800	-11.718750	-7.812500	17.578125
20	0.472345	-0.252927	0.721530	-27.343750	-7.812500	80.078125
21	0.345907	-0.308006	0.676668	-13.671875	-11.718750	187.500000
22	0.163794	-0.441054	0.556001	-7.812500	-156.250000	152.343750
23	0.079527	-0.420882	0.296100	-33.203125	-250.000000	85.937500
24	0.128966	-0.283779	0.002660	-130.859375	-250.000000	66.406250
25	0.383630	-0.457768	-0.485904	-218.750000	-242.187500	21.484375
26	0.467678	-0.724661	-0.954042	-250.000000	-146.484375	91.796875
27	0.455607	-0.747296	-1.172425	-107.421875	-33.203125	-164.062500
28	0.598364	-0.642128	-1.215955	13.671875	25.390625	-11.718750
29	0.471518	-0.429027	-1.117073	39.062500	23.437500	1.953125
30	0.370411	-0.376166	-1.026494	1.953125	21.484375	-25.390625
31	0.334747	-0.344450	-1.003396	3.906250	9.765625	-11.718750
32	0.332098	-0.312920	-0.977038	7.812500	-19.531250	-5.859375
33	0.349259	-0.300252	-0.961223	0.000000	-9.765625	-3.906250
34	0.353305	-0.292651	-0.964234	0.000000	-1.953125	1.953125
35	0.349483	-0.288091	-0.953540	0.000000	-3.906250	-1.953125
36	0.353440	-0.285354	-0.953374	0.000000	-1.953125	1.953125
37	0.355814	-0.289963	-0.953274	-1.953125	-1.953125	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
38	0.347305	-0.299063	-0.941626	-1.953125	-1.953125	0.000000
39	0.352133	-0.304438	-0.939976	0.000000	0.000000	0.000000
40	0.355030	-0.313913	-0.938985	0.000000	1.953125	-1.953125
41	0.356768	-0.319598	-0.944641	1.953125	0.000000	-1.953125
42	0.351561	-0.323009	-0.941785	3.906250	-1.953125	0.000000
43	0.348436	-0.325055	-0.940071	5.859375	-1.953125	0.000000
44	0.352812	-0.351283	-0.939043	7.812500	0.000000	0.000000
45	0.361687	-0.485770	-0.982176	27.343750	3.906250	-1.953125
46	0.292012	-0.872712	-1.133055	117.187500	-7.812500	-33.203125
47	0.175207	-1.136127	-1.479833	248.046875	-146.484375	-115.234375
48	0.605124	-0.512926	-1.637900	248.046875	-140.625000	-250.000000
49	1.156825	-0.026506	-1.463990	-250.000000	248.046875	-250.000000
50	0.825345	-0.440903	-1.678394	-250.000000	248.046875	-250.000000
51	0.563957	-1.064542	-1.007036	-208.984375	48.828125	-105.468750
52	0.494624	-0.688725	-0.266722	50.781250	27.343750	-31.250000
53	0.503024	-0.531985	0.177467	-1.953125	-3.906250	-7.812500
54	0.508065	-0.387941	0.437730	11.718750	1.953125	-7.812500
55	0.554839	-0.351515	0.593888	-3.906250	1.953125	-15.625000
56	0.551653	-0.317159	0.681333	-13.671875	-13.671875	7.812500
57	0.537242	-0.296545	0.733800	-11.718750	-7.812500	17.578125
58	0.472345	-0.252927	0.721530	-27.343750	-7.812500	80.078125
59	0.345907	-0.308006	0.676668	-13.671875	-11.718750	187.500000
60	0.163794	-0.441054	0.556001	-7.812500	-156.250000	152.343750
61	0.079527	-0.420882	0.296100	-33.203125	-250.000000	85.937500
62	0.128966	-0.283779	0.002660	-130.859375	-250.000000	66.406250
63	0.383630	-0.457768	-0.485904	-218.750000	-242.187500	21.484375
64	0.467678	-0.724661	-0.954042	-250.000000	-146.484375	91.796875
65	0.455607	-0.747296	-1.172425	-107.421875	-33.203125	-164.062500
66	0.598364	-0.642128	-1.215955	13.671875	25.390625	-11.718750
67	0.471518	-0.429027	-1.117073	39.062500	23.437500	1.953125
68	0.370411	-0.376166	-1.026494	1.953125	21.484375	-25.390625
69	0.334747	-0.344450	-1.003396	3.906250	9.765625	-11.718750
70	0.332098	-0.312920	-0.977038	7.812500	-19.531250	-5.859375
71	0.349259	-0.300252	-0.961223	0.000000	-9.765625	-3.906250
72	0.353305	-0.292651	-0.964234	0.000000	-1.953125	1.953125
73	0.349483	-0.288091	-0.953540	0.000000	-3.906250	-1.953125
74	0.353440	-0.285354	-0.953374	0.000000	-1.953125	1.953125
75	0.355814	-0.289963	-0.953274	-1.953125	-1.953125	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
76	0.357238	-0.286478	-0.953215	0.000000	0.000000	0.000000
77	0.358093	-0.284387	-0.953179	-1.953125	1.953125	1.953125
78	0.352356	-0.283132	-0.946907	-3.906250	0.000000	0.000000
79	0.315136	-0.264594	-0.968906	0.000000	-1.953125	-1.953125
80	0.320332	-0.265006	-0.968844	-1.953125	-1.953125	-1.953125
81	0.323449	-0.265254	-0.968806	0.000000	-1.953125	-1.953125
82	0.319069	-0.265402	-0.968784	0.000000	-1.953125	-1.953125
83	0.316442	-0.265491	-0.968770	-1.953125	0.000000	-1.953125
84	0.321115	-0.265545	-0.968762	-1.953125	-1.953125	0.000000
85	0.323919	-0.265577	-0.968757	0.000000	-1.953125	1.953125
86	0.425601	-0.296846	-0.981254	1.953125	-19.531250	35.156250
87	0.467861	-0.546858	-1.120003	56.640625	82.031250	164.062500
88	-0.131783	-0.940615	-1.403252	248.046875	-9.765625	-144.531250
89	-0.066570	-0.839369	-1.641951	248.046875	-250.000000	-11.718750
90	0.753808	-0.134871	-1.516421	154.296875	-119.140625	-250.000000
91	1.246035	-0.362173	-1.397352	-250.000000	248.046875	-250.000000
92	1.185121	-0.861054	-1.638411	-250.000000	248.046875	-250.000000
93	0.679823	-1.222882	-1.008047	-205.078125	44.921875	-97.656250
94	0.501644	-0.777479	-0.329828	60.546875	27.343750	17.578125
95	0.457236	-0.566488	0.114603	-13.671875	-7.812500	1.953125
96	0.511842	-0.433643	0.400012	-3.906250	-9.765625	3.906250
97	0.563355	-0.416436	0.565007	5.859375	-3.906250	-9.765625
98	0.581763	-0.356111	0.645254	1.953125	-7.812500	-1.953125
99	0.586558	-0.326167	0.680903	0.000000	-7.812500	11.718750
100	0.608185	-0.339450	0.696042	3.906250	-5.859375	3.906250
101	0.633661	-0.334920	0.717625	0.000000	-3.906250	-5.859375
102	0.636446	-0.338452	0.724325	-7.812500	-1.953125	1.953125
103	0.625618	-0.328071	0.728345	0.000000	0.000000	5.859375
104	0.600371	-0.334343	0.730757	5.859375	0.000000	1.953125
105	0.585222	-0.325606	0.732204	7.812500	-5.859375	21.484375
106	0.501133	-0.351613	0.670573	-7.812500	-7.812500	117.187500
107	0.306930	-0.404718	0.483594	27.343750	-113.281250	171.875000
108	0.177908	-0.399081	0.233906	-13.671875	-250.000000	140.625000
109	0.244245	-0.351948	-0.090906	-111.328125	-250.000000	82.031250
110	0.390297	-0.567419	-0.529544	-191.406250	-238.281250	37.109375
111	0.471678	-0.702951	-0.936476	-224.609375	-183.593750	62.500000
112	0.620507	-0.928021	-1.218136	-82.031250	52.734375	-250.000000
113	0.672304	-0.588063	-1.162131	11.718750	17.578125	21.484375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
114	0.522132	-0.427838	-1.066029	-3.906250	-13.671875	56.640625
115	0.400779	-0.412953	-1.020867	-19.531250	11.718750	1.953125
116	0.327968	-0.372772	-0.993770	-15.625000	0.000000	15.625000
117	0.378031	-0.367413	-0.990012	-3.906250	-3.906250	-5.859375
118	0.351818	-0.320448	-0.975257	1.953125	0.000000	-3.906250
119	0.329841	-0.304769	-0.966404	-3.906250	0.000000	9.765625
120	0.341655	-0.301611	-0.961093	0.000000	0.000000	-3.906250
121	0.336243	-0.293467	-0.957906	-1.953125	-1.953125	0.000000
122	0.332996	-0.288580	-0.955993	0.000000	0.000000	-1.953125
123	0.337297	-0.285648	-0.961096	-1.953125	0.000000	0.000000
124	0.339878	-0.277639	-0.957908	1.953125	0.000000	0.000000
125	0.335177	-0.279083	-0.955995	-1.953125	0.000000	0.000000
126	0.280661	-0.244568	-0.985082	-1.953125	0.000000	-1.953125
127	0.280897	-0.246741	-0.984799	-1.953125	-1.953125	-1.953125
128	0.281038	-0.248045	-0.984630	-1.953125	-1.953125	0.000000
129	0.281123	-0.248827	-0.984528	0.000000	-1.953125	-3.906250
130	0.281174	-0.243046	-0.984467	0.000000	-1.953125	0.000000
131	0.281204	-0.245828	-0.984430	0.000000	0.000000	-1.953125
132	0.287473	-0.247497	-0.990658	1.953125	-1.953125	0.000000
133	0.416234	-0.348498	-0.988145	0.000000	-54.687500	48.828125
134	0.243490	-0.771599	-1.199137	105.468750	142.578125	80.078125
135	-0.322656	-0.800459	-1.519482	248.046875	-205.078125	-56.640625
136	0.056406	-0.749026	-1.711689	248.046875	-250.000000	-250.000000
137	0.827594	-0.180665	-1.420764	-115.234375	82.031250	-169.921875
138	1.127806	-0.220899	-1.396208	-250.000000	248.046875	-250.000000
139	0.864184	-0.826290	-1.637725	-250.000000	248.046875	-244.140625
140	0.512260	-1.202024	-0.776385	-62.500000	23.437500	-62.500000
141	0.526106	-0.721214	-0.172081	27.343750	1.953125	9.765625
142	0.559414	-0.545229	0.209251	3.906250	-13.671875	0.000000
143	0.591898	-0.452137	0.419301	7.812500	-1.953125	13.671875
144	0.636389	-0.377532	0.545331	5.859375	-5.859375	-7.812500
145	0.675583	-0.332769	0.620948	-3.906250	-5.859375	3.906250
146	0.692850	-0.305912	0.653819	-3.906250	-3.906250	11.718750
147	0.690710	-0.308547	0.673541	1.953125	-3.906250	7.812500
148	0.683176	-0.303878	0.691625	-5.859375	-1.953125	-1.953125
149	0.672406	-0.313577	0.702475	-1.953125	-1.953125	1.953125
150	0.672193	-0.313146	0.702735	1.953125	0.000000	1.953125
151	0.665816	-0.312888	0.702891	-1.953125	-1.953125	3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
152	0.668240	-0.325233	0.709235	0.000000	0.000000	3.906250
153	0.657194	-0.338890	0.706791	0.000000	-5.859375	3.906250
154	0.663066	-0.334584	0.711574	3.906250	-3.906250	5.859375
155	0.672840	-0.332000	0.708195	0.000000	-3.906250	7.812500
156	0.659954	-0.324200	0.699917	1.953125	0.000000	7.812500
157	0.645972	-0.332020	0.694950	1.953125	-5.859375	9.765625
158	0.600083	-0.355462	0.673220	9.765625	-7.812500	41.015625
159	0.491300	-0.369527	0.616432	29.296875	-42.968750	70.312500
160	0.357280	-0.377966	0.457359	15.625000	-126.953125	119.140625
161	0.258118	-0.345530	0.186916	-46.875000	-240.234375	134.765625
162	0.267371	-0.388568	-0.250351	-201.171875	-250.000000	146.484375
163	0.372922	-0.651891	-0.743960	-228.515625	-250.000000	-83.984375
164	0.561253	-0.697384	-1.052626	-125.000000	-117.187500	-46.875000
165	0.655502	-0.662181	-1.300326	-99.609375	52.734375	-33.203125
166	0.537051	-0.441058	-1.217695	37.109375	15.625000	7.812500
167	0.390981	-0.339635	-1.105617	-11.718750	1.953125	50.781250
168	0.290838	-0.328781	-1.075870	3.906250	7.812500	-9.765625
169	0.287003	-0.316019	-1.039272	11.718750	13.671875	-31.250000
170	0.290952	-0.270861	-1.017313	1.953125	5.859375	-11.718750
171	0.280821	-0.262517	-0.997888	-5.859375	0.000000	5.859375
172	0.287243	-0.276260	-0.992483	-1.953125	0.000000	3.906250
173	0.291096	-0.265756	-0.989240	1.953125	1.953125	1.953125
174	0.293407	-0.265704	-0.987294	-1.953125	0.000000	1.953125
175	0.294794	-0.265672	-0.979876	-1.953125	0.000000	3.906250
176	0.295627	-0.271903	-0.975426	0.000000	0.000000	0.000000
177	0.296126	-0.269392	-0.972755	-1.953125	0.000000	0.000000
178	0.296426	-0.274135	-0.971153	-1.953125	-1.953125	-1.953125
179	0.296426	-0.274135	-0.971153	-1.953125	-1.953125	-1.953125
180	0.296605	-0.270731	-0.970192	0.000000	0.000000	-3.906250
181	0.296713	-0.274939	-0.969615	0.000000	0.000000	-1.953125
182	0.296778	-0.277463	-0.969269	-1.953125	-1.953125	0.000000
183	0.296817	-0.272728	-0.969061	0.000000	0.000000	-1.953125
184	0.296840	-0.269887	-0.968937	0.000000	0.000000	0.000000
185	0.303104	-0.274432	-0.975112	1.953125	-1.953125	-3.906250
186	0.431862	-0.339659	-0.966317	7.812500	-39.062500	31.250000
187	0.284117	-0.797546	-1.198540	56.640625	119.140625	167.968750
188	-0.335780	-0.891027	-1.519124	248.046875	-232.421875	-31.250000
189	0.436032	-0.522116	-1.711475	248.046875	-250.000000	-250.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
190	1.055369	-0.407020	-1.739385	-250.000000	248.046875	-250.000000
191	1.120722	-0.819212	-1.843631	-250.000000	248.046875	-250.000000
192	0.222433	-1.291527	-1.224928	-240.234375	150.390625	-27.343750
193	0.270960	-0.874916	-0.484957	105.468750	21.484375	44.921875
194	0.306326	-0.624950	0.040276	15.625000	-1.953125	-7.812500
195	0.390046	-0.487470	0.336665	-5.859375	0.000000	13.671875
196	0.409027	-0.498732	0.545749	-5.859375	17.578125	23.437500
197	0.482916	-0.486739	0.639950	-15.625000	-19.531250	-5.859375
198	0.514750	-0.479543	0.677720	-5.859375	-7.812500	0.000000
199	0.527600	-0.462726	0.706632	3.906250	-1.953125	5.859375
200	0.529060	-0.433886	0.723979	3.906250	0.000000	1.953125
201	0.548686	-0.435331	0.740637	0.000000	-5.859375	1.953125
202	0.541712	-0.423699	0.744382	3.906250	-1.953125	3.906250
203	0.531277	-0.404219	0.752879	5.859375	0.000000	5.859375
204	0.531266	-0.392532	0.751728	-3.906250	0.000000	5.859375
205	0.531260	-0.398019	0.751037	-7.812500	-5.859375	15.625000
206	0.531256	-0.413811	0.756872	5.859375	-9.765625	9.765625
207	0.550003	-0.398287	0.760373	5.859375	-7.812500	11.718750
208	0.555002	-0.420222	0.756224	3.906250	-3.906250	7.812500
209	0.545501	-0.420883	0.747484	-3.906250	-1.953125	5.859375
210	0.508551	-0.446280	0.729741	-1.953125	1.953125	33.203125
211	0.261380	-0.511518	0.575344	-17.578125	-27.343750	183.593750
212	0.075578	-0.463161	0.251457	11.718750	-250.000000	138.671875
213	0.114097	-0.296646	-0.099126	-99.609375	-250.000000	83.984375
214	0.362208	-0.427988	-0.571976	-250.000000	-250.000000	64.453125
215	0.442325	-0.688043	-1.055685	-250.000000	-117.187500	80.078125
216	0.509145	-0.775326	-1.370911	-121.093750	31.250000	-21.484375
217	0.705487	-0.658945	-1.378797	41.015625	23.437500	-70.312500
218	0.535792	-0.414117	-1.214778	11.718750	-21.484375	39.062500
219	0.371475	-0.354720	-1.122617	-1.953125	33.203125	-25.390625
220	0.272885	-0.312832	-1.073570	-7.812500	0.000000	13.671875
221	0.401231	-0.312699	-1.050392	0.000000	-17.578125	-19.531250
222	0.353239	-0.281370	-1.017735	-1.953125	0.000000	7.812500
223	0.311943	-0.262572	-0.998141	-3.906250	0.000000	9.765625
224	0.312166	-0.276293	-0.992635	-1.953125	0.000000	3.906250
225	0.312300	-0.259526	-0.983081	0.000000	-1.953125	-1.953125
226	0.299880	-0.268215	-0.977348	-3.906250	0.000000	-1.953125
227	0.298678	-0.267179	-0.973909	0.000000	0.000000	-5.859375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
228	0.304207	-0.266558	-0.971845	0.000000	0.000000	-5.859375
229	0.301274	-0.266185	-0.970607	0.000000	0.000000	-5.859375
230	0.299514	-0.259711	-0.976114	0.000000	0.000000	-7.812500
231	0.299514	-0.259711	-0.976114	0.000000	0.000000	-7.812500
232	0.304709	-0.255826	-0.973169	1.953125	-1.953125	-5.859375
233	0.314075	-0.259746	-0.971401	-1.953125	0.000000	-3.906250
234	0.313445	-0.262098	-0.970341	0.000000	0.000000	-1.953125
235	0.313067	-0.263509	-0.969704	0.000000	0.000000	-1.953125
236	0.319090	-0.264355	-0.969323	1.953125	0.000000	0.000000
237	0.347704	-0.283613	-0.969094	9.765625	0.000000	21.484375
238	0.421122	-0.413918	-0.987706	50.781250	27.343750	27.343750
239	0.240173	-0.717101	-1.061374	97.656250	54.687500	-23.437500
240	0.031604	-0.674010	-1.161824	240.234375	-99.609375	-85.937500
241	0.100212	-0.535656	-1.128345	230.468750	-189.453125	-87.890625
242	0.253877	-0.408894	-0.908257	113.281250	-142.578125	-46.875000
243	0.452326	-0.457836	-0.713704	25.390625	-74.218750	42.968750
244	0.508896	-0.662202	-0.596972	1.953125	-15.625000	-31.250000
245	1.099088	-1.009821	-1.108183	-60.546875	85.937500	-144.531250
246	1.453203	-1.405893	-1.464910	-250.000000	248.046875	-250.000000
247	1.053172	-1.643536	-1.678946	-250.000000	248.046875	-250.000000
248	0.431903	-1.567371	-1.076118	-181.640625	164.062500	42.968750
249	0.365392	-1.121673	-0.408171	-37.109375	17.578125	-19.531250
250	0.331735	-0.829254	0.061348	1.953125	-1.953125	-15.625000
251	0.392791	-0.647552	0.355559	3.906250	1.953125	0.000000
252	0.448175	-0.551031	0.538335	9.765625	1.953125	1.953125
253	0.487655	-0.449369	0.635501	29.296875	5.859375	7.812500
254	0.530093	-0.363371	0.706301	1.953125	0.000000	9.765625
255	0.524306	-0.324273	0.742530	-1.953125	0.000000	17.578125
256	0.520833	-0.307064	0.758018	-1.953125	-5.859375	17.578125
257	0.506250	-0.302988	0.767311	-7.812500	-7.812500	0.000000
258	0.503750	-0.331793	0.766637	-5.859375	-7.812500	5.859375
259	0.464750	-0.342826	0.741232	-17.578125	-13.671875	54.687500
260	0.353850	-0.368195	0.669739	-15.625000	-33.203125	103.515625
261	0.256060	-0.358417	0.539343	-29.296875	-115.234375	64.453125
262	0.266136	-0.408800	0.286106	-52.734375	-191.406250	41.015625
263	0.297182	-0.426530	-0.072086	-101.562500	-250.000000	42.968750
264	0.409559	-0.624668	-0.493252	-173.828125	-250.000000	27.343750
265	0.545735	-0.681051	-0.845951	-144.531250	-195.312500	-85.937500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
266	0.621191	-0.652381	-1.057571	-85.937500	-50.781250	-42.968750
267	0.866465	-0.672678	-1.222042	-21.484375	13.671875	-44.921875
268	0.657379	-0.459857	-1.145725	44.921875	-31.250000	35.156250
269	0.450677	-0.375914	-1.056185	3.906250	35.156250	33.203125
270	0.301656	-0.325549	-1.021211	-3.906250	27.343750	5.859375
271	0.274744	-0.345329	-1.012727	-9.765625	-25.390625	-31.250000
272	0.364846	-0.319697	-1.001386	13.671875	0.000000	-60.546875
273	0.343908	-0.285568	-0.994582	-5.859375	5.859375	5.859375
274	0.312595	-0.271341	-0.984249	-1.953125	5.859375	3.906250
275	0.293807	-0.275305	-0.971799	-5.859375	-1.953125	-1.953125
276	0.307534	-0.283933	-0.970580	-3.906250	-3.906250	-3.906250
277	0.322020	-0.276610	-0.969848	0.000000	0.000000	-1.953125
278	0.318212	-0.272216	-0.963159	-1.953125	0.000000	3.906250
279	0.309677	-0.275829	-0.965395	-1.953125	0.000000	-1.953125
280	0.317056	-0.271748	-0.966737	0.000000	-1.953125	-3.906250
281	0.383809	-0.363368	-0.925694	0.000000	-5.859375	7.812500
282	0.474035	-0.455521	-0.955416	9.765625	25.390625	60.546875
283	0.340671	-0.698313	-1.004500	58.593750	72.265625	-1.953125
284	-0.008097	-0.818988	-1.227700	248.046875	-136.718750	-130.859375
285	0.451392	-0.885143	-1.536620	248.046875	-250.000000	-187.500000
286	1.064585	-0.381086	-1.440722	37.109375	210.937500	-119.140625
287	1.263751	-0.503651	-1.514433	-250.000000	248.046875	-250.000000
288	0.995751	-1.102191	-1.708660	-250.000000	248.046875	-76.171875
289	0.584950	-1.161314	-0.825196	-56.640625	27.343750	9.765625
290	0.500970	-0.721789	-0.188868	39.062500	48.828125	-7.812500
291	0.500582	-0.545573	0.224179	5.859375	-7.812500	-7.812500
292	0.494099	-0.489844	0.472008	19.531250	5.859375	9.765625
293	0.515210	-0.412656	0.614455	15.625000	5.859375	-7.812500
294	0.509126	-0.360094	0.693673	3.906250	-9.765625	-3.906250
295	0.505475	-0.328556	0.741204	-5.859375	-9.765625	9.765625
296	0.503285	-0.309634	0.763472	0.000000	-1.953125	9.765625
297	0.489471	-0.285780	0.776833	-5.859375	-3.906250	5.859375
298	0.499933	-0.296468	0.778600	-13.671875	-9.765625	1.953125
299	0.387460	-0.327881	0.648410	9.765625	-19.531250	33.203125
300	-0.086274	-0.321729	0.070296	58.593750	-250.000000	164.062500
301	0.066985	-0.199287	-0.570322	-189.453125	-250.000000	152.343750
302	0.615191	-0.607072	-1.073443	-214.843750	-250.000000	3.906250
303	0.819115	-0.845493	-1.419066	-126.953125	-109.375000	21.484375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
304	0.716469	-0.582296	-1.282690	72.265625	13.671875	-72.265625
305	0.554881	-0.461878	-1.150864	-7.812500	-23.437500	27.343750
306	0.382929	-0.402127	-1.103018	3.906250	15.625000	9.765625
307	0.386007	-0.416276	-1.036811	15.625000	9.765625	-25.390625
308	0.350354	-0.393516	-0.984587	-1.953125	1.953125	3.906250
309	0.303963	-0.398609	-0.965752	-3.906250	3.906250	0.000000
310	0.307378	-0.395416	-0.941951	-1.953125	3.906250	-9.765625
311	0.309427	-0.387249	-0.940171	-3.906250	0.000000	-5.859375
312	0.310656	-0.382350	-0.932852	-3.906250	0.000000	0.000000
313	0.311394	-0.385660	-0.928461	-1.953125	-1.953125	-5.859375
314	0.318086	-0.387646	-0.925827	1.953125	-1.953125	-7.812500
315	0.322102	-0.395088	-0.924246	5.859375	-3.906250	-5.859375
316	0.324511	-0.399553	-0.923298	7.812500	-1.953125	-9.765625
317	0.332207	-0.395982	-0.922729	7.812500	-1.953125	-11.718750
318	0.333947	-0.382024	-0.925297	1.953125	-1.953125	0.000000
319	0.331618	-0.379214	-0.923928	-1.953125	-1.953125	-5.859375
320	0.330221	-0.383778	-0.923107	-1.953125	-1.953125	-5.859375
321	0.335633	-0.386517	-0.928864	0.000000	-1.953125	-5.859375
322	0.338880	-0.381910	-0.926069	1.953125	0.000000	-1.953125
323	0.347078	-0.379146	-0.918141	-1.953125	0.000000	-3.906250
324	0.370747	-0.402488	-0.919635	1.953125	5.859375	13.671875
325	0.378698	-0.485243	-0.945531	1.953125	19.531250	44.921875
326	0.095969	-0.891146	-1.117318	101.562500	5.859375	-64.453125
327	0.051331	-1.078437	-1.470391	248.046875	-250.000000	-76.171875
328	0.674549	-0.397062	-1.669735	248.046875	-105.468750	-250.000000
329	1.010979	-0.475737	-1.383091	-232.421875	248.046875	-250.000000
330	1.006588	-0.516692	-1.398604	-250.000000	248.046875	-250.000000
331	0.453953	-1.085015	-1.095413	-250.000000	99.609375	-113.281250
332	0.509872	-0.888509	-0.407248	-9.765625	-17.578125	-17.578125
333	0.487173	-0.708106	0.080651	-17.578125	21.484375	-3.906250
334	0.479804	-0.606113	0.354641	13.671875	19.531250	-5.859375
335	0.450382	-0.569918	0.531535	7.812500	-11.718750	-19.531250
336	0.457729	-0.516951	0.625171	1.953125	-5.859375	0.000000
337	0.468388	-0.485170	0.681352	-1.953125	-1.953125	5.859375
338	0.474783	-0.472352	0.715061	-1.953125	-9.765625	-3.906250
339	0.478620	-0.477161	0.735287	3.906250	-1.953125	0.000000
340	0.493422	-0.461297	0.741172	-5.859375	-5.859375	1.953125
341	0.496053	-0.464278	0.750953	0.000000	-3.906250	1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
342	0.497632	-0.472317	0.750572	1.953125	-3.906250	1.953125
343	0.473579	-0.464640	0.750343	5.859375	0.000000	17.578125
344	0.452897	-0.491284	0.756456	-1.953125	-11.718750	37.109375
345	0.340488	-0.476020	0.672624	29.296875	-48.828125	62.500000
346	0.241793	-0.404362	0.528574	35.156250	-105.468750	123.046875
347	0.163826	-0.317617	0.360894	-31.250000	-171.875000	97.656250
348	0.148296	-0.296820	0.016537	-185.546875	-242.187500	93.750000
349	0.288977	-0.615592	-0.546328	-250.000000	-250.000000	-23.437500
350	0.429636	-0.763105	-1.046547	-203.125000	-226.562500	-13.671875
351	0.882782	-1.226613	-1.396678	-101.562500	-35.156250	-222.656250
352	0.685919	-0.804718	-1.244257	70.312500	39.062500	78.125000
353	0.549051	-0.589081	-1.127804	5.859375	1.953125	-56.640625
354	0.391931	-0.472198	-1.032932	-31.250000	15.625000	-29.296875
355	0.322659	-0.445819	-1.001009	-21.484375	-1.953125	11.718750
356	0.318595	-0.417491	-0.994356	-3.906250	-17.578125	5.859375
357	0.378657	-0.356745	-0.977863	9.765625	-9.765625	-15.625000
358	0.383444	-0.307797	-0.967968	-5.859375	1.953125	5.859375
359	0.355067	-0.309678	-0.962031	-5.859375	3.906250	3.906250
360	0.331790	-0.317057	-0.958468	-1.953125	-1.953125	1.953125
361	0.342824	-0.315234	-0.956331	3.906250	-5.859375	-3.906250
362	0.355694	-0.307890	-0.955049	1.953125	0.000000	-1.953125
363	0.350917	-0.303484	-0.954279	1.953125	0.000000	0.000000
364	0.341800	-0.294591	-0.947568	0.000000	0.000000	0.000000
365	0.336330	-0.301754	-0.949791	-1.953125	-1.953125	-1.953125
366	0.334359	-0.398418	-0.908602	1.953125	-1.953125	-1.953125
367	0.344365	-0.414051	-0.913911	7.812500	0.000000	0.000000
368	0.331619	-0.410931	-0.904597	5.859375	1.953125	7.812500
369	0.317722	-0.415308	-0.899008	1.953125	-3.906250	-3.906250
370	0.321883	-0.417935	-0.901905	0.000000	-3.906250	-7.812500
371	0.330630	-0.413261	-0.903643	-1.953125	-1.953125	-3.906250
372	0.360878	-0.422957	-0.892186	-1.953125	-1.953125	3.906250
373	0.366527	-0.585024	-0.941561	7.812500	25.390625	19.531250
374	0.144916	-0.919764	-1.052437	138.671875	-15.625000	-128.906250
375	0.118200	-0.820609	-1.250212	248.046875	-189.453125	-107.421875
376	0.620920	-0.911115	-1.331377	226.562500	-175.781250	-123.046875
377	1.166302	-0.702919	-1.267576	-25.390625	248.046875	-185.546875
378	1.287281	-0.684251	-1.366796	-250.000000	248.046875	-250.000000
379	0.878619	-1.129301	-1.620077	-250.000000	248.046875	-126.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
380	0.458421	-1.296331	-0.765796	-78.125000	9.765625	-37.109375
381	0.462553	-0.921548	-0.146978	31.250000	19.531250	19.531250
382	0.490032	-0.740429	0.236813	17.578125	-5.859375	3.906250
383	0.481519	-0.606757	0.454588	17.578125	21.484375	21.484375
384	0.488911	-0.507804	0.604003	9.765625	-7.812500	-5.859375
385	0.505847	-0.442183	0.681152	1.953125	-1.953125	0.000000
386	0.522258	-0.402810	0.721191	0.000000	-1.953125	5.859375
387	0.532105	-0.379186	0.745215	3.906250	1.953125	7.812500
388	0.525513	-0.371261	0.759629	-3.906250	1.953125	11.718750
389	0.521558	-0.372757	0.780777	0.000000	-5.859375	-3.906250
390	0.512935	-0.373654	0.787216	-3.906250	0.000000	1.953125
391	0.507761	-0.392942	0.784830	3.906250	-1.953125	1.953125
392	0.498406	-0.373265	0.789648	5.859375	-3.906250	0.000000
393	0.505294	-0.367709	0.792539	1.953125	-5.859375	0.000000
394	0.515676	-0.358126	0.794273	3.906250	-3.906250	3.906250
395	0.509406	-0.364875	0.795314	1.953125	0.000000	9.765625
396	0.499393	-0.368925	0.795938	5.859375	0.000000	9.765625
397	0.455886	-0.340105	0.783813	-1.953125	-1.953125	42.968750
398	0.354782	-0.335313	0.726538	-5.859375	-35.156250	58.593750
399	0.237869	-0.344938	0.592173	-21.484375	-126.953125	64.453125
400	0.192721	-0.344463	0.324054	-42.968750	-232.421875	37.109375
401	0.240633	-0.331678	-0.030568	-111.328125	-250.000000	46.875000
402	0.425630	-0.536507	-0.549591	-185.546875	-250.000000	29.296875
403	0.549128	-0.721904	-0.986004	-126.953125	-177.734375	-3.906250
404	0.616977	-0.689392	-1.147853	-29.296875	-85.937500	-11.718750
405	0.757686	-0.588635	-1.144962	7.812500	39.062500	-166.015625
406	0.598362	-0.465681	-1.068227	11.718750	7.812500	25.390625
407	0.446517	-0.416909	-1.028436	-13.671875	1.953125	1.953125
408	0.330410	-0.393895	-0.985812	-3.906250	5.859375	0.000000
409	0.304496	-0.386337	-0.972737	0.000000	-11.718750	-9.765625
410	0.363948	-0.338052	-0.971142	3.906250	3.906250	-37.109375
411	0.343369	-0.321581	-0.957685	-7.812500	1.953125	19.531250
412	0.312271	-0.336699	-0.955861	-7.812500	0.000000	11.718750
413	0.306113	-0.352019	-0.948517	-1.953125	0.000000	3.906250
414	0.308668	-0.342462	-0.950360	1.953125	0.000000	-3.906250
415	0.303951	-0.336727	-0.951466	-1.953125	-1.953125	1.953125
416	0.301120	-0.339536	-0.945880	0.000000	-1.953125	-1.953125
417	0.305672	-0.334972	-0.948778	0.000000	-1.953125	-3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
418	0.308403	-0.332233	-0.950517	-1.953125	-1.953125	-1.953125
419	0.304999	-0.355447	-0.938425	1.953125	-3.906250	-9.765625
420	0.414249	-0.400768	-0.950555	15.625000	11.718750	46.875000
421	0.336050	-0.696711	-1.014083	33.203125	74.218750	91.796875
422	-0.104620	-0.968027	-1.395950	248.046875	-117.187500	-250.000000
423	0.280978	-0.943316	-1.637570	248.046875	-250.000000	-193.359375
424	0.962337	-0.484740	-1.720042	-7.812500	248.046875	-250.000000
425	1.071152	-0.315844	-1.607025	-250.000000	248.046875	-250.000000
426	0.880191	-0.852006	-1.764215	-250.000000	248.046875	-166.015625
427	0.409365	-1.273704	-0.971029	-173.828125	70.312500	-17.578125
428	0.445619	-0.926722	-0.326367	54.687500	1.953125	-15.625000
429	0.448621	-0.743533	0.135430	1.953125	5.859375	-7.812500
430	0.456673	-0.627370	0.400008	13.671875	21.484375	-7.812500
431	0.436504	-0.538922	0.527505	3.906250	19.531250	-3.906250
432	0.443152	-0.498353	0.622753	-1.953125	-9.765625	-3.906250
433	0.459641	-0.499012	0.679902	0.000000	-3.906250	3.906250
434	0.463285	-0.493157	0.720441	9.765625	0.000000	-9.765625
435	0.471721	-0.489644	0.744765	1.953125	3.906250	-7.812500
436	0.464283	-0.487537	0.753109	-5.859375	-1.953125	-1.953125
437	0.466070	-0.486272	0.751865	-1.953125	-3.906250	1.953125
438	0.473392	-0.498013	0.751119	0.000000	-5.859375	-3.906250
439	0.477785	-0.492558	0.756921	3.906250	-5.859375	-3.906250
440	0.492921	-0.476785	0.754153	3.906250	-3.906250	0.000000
441	0.495753	-0.473571	0.758742	1.953125	-3.906250	3.906250
442	0.497452	-0.465393	0.761495	1.953125	-1.953125	-1.953125
443	0.492221	-0.447986	0.763147	-1.953125	-1.953125	1.953125
444	0.495333	-0.443791	0.764138	-1.953125	-1.953125	1.953125
445	0.497200	-0.435025	0.764733	0.000000	0.000000	0.000000
446	0.492070	-0.429765	0.765090	0.000000	0.000000	1.953125
447	0.476492	-0.432859	0.765304	-1.953125	0.000000	5.859375
448	0.467145	-0.428465	0.771682	0.000000	0.000000	7.812500
449	0.436537	-0.425829	0.763009	1.953125	-5.859375	17.578125
450	0.355672	-0.399248	0.720306	3.906250	-15.625000	33.203125
451	0.288403	-0.358299	0.644683	0.000000	-70.312500	44.921875
452	0.241792	-0.396229	0.511810	-19.531250	-142.578125	41.015625
453	0.251325	-0.412737	0.213336	-70.312500	-212.890625	48.828125
454	0.363295	-0.522642	-0.171998	-140.625000	-250.000000	13.671875
455	0.530477	-0.701085	-0.634449	-125.000000	-246.093750	-27.343750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
456	0.774536	-0.720651	-0.961919	-70.312500	-234.375000	-80.078125
457	0.814722	-0.663641	-1.058402	-52.734375	-62.500000	-82.031250
458	0.670083	-0.523184	-1.041291	11.718750	27.343750	11.718750
459	0.520800	-0.420161	-1.031025	9.765625	-9.765625	-27.343750
460	0.399980	-0.364596	-0.993615	1.953125	11.718750	-5.859375
461	0.321238	-0.356258	-0.971169	-5.859375	-1.953125	11.718750
462	0.355243	-0.345005	-0.970201	-5.859375	-11.718750	-9.765625
463	0.338146	-0.332003	-0.957121	0.000000	9.765625	7.812500
464	0.315387	-0.336702	-0.949272	-7.812500	-1.953125	11.718750
465	0.314232	-0.358271	-0.944563	0.000000	1.953125	3.906250
466	0.313539	-0.339963	-0.941738	0.000000	0.000000	0.000000
467	0.306874	-0.347728	-0.946293	-3.906250	-1.953125	3.906250
468	0.309124	-0.346137	-0.942776	0.000000	0.000000	-1.953125
469	0.310475	-0.345182	-0.946915	0.000000	-1.953125	-3.906250
470	0.305035	-0.344609	-0.949399	-1.953125	0.000000	-1.953125
471	0.312630	-0.343580	-0.937969	0.000000	0.000000	0.000000
472	0.312578	-0.349898	-0.937781	0.000000	0.000000	-1.953125
473	0.312547	-0.347439	-0.937669	0.000000	0.000000	0.000000
474	0.318778	-0.358463	-0.937601	1.953125	-1.953125	-1.953125
475	0.316267	-0.527578	-1.000061	15.625000	-5.859375	-1.953125
476	0.121010	-0.979047	-1.231286	179.687500	-78.125000	-66.406250
477	0.228856	-1.018678	-1.488772	248.046875	-197.265625	-166.015625
478	0.712314	-0.486207	-1.318263	134.765625	80.078125	-142.578125
479	0.921138	-0.329224	-1.190958	-250.000000	248.046875	-250.000000
480	1.052683	-0.547534	-1.427075	-250.000000	248.046875	-250.000000
481	0.531610	-0.941021	-1.218745	-250.000000	169.921875	13.671875
482	0.412716	-0.933362	-0.518747	-3.906250	-27.343750	-54.687500
483	0.485130	-0.753767	-0.011248	29.296875	0.000000	-3.906250
484	0.547328	-0.621010	0.280751	15.625000	1.953125	9.765625
485	0.565897	-0.541356	0.443451	9.765625	0.000000	-5.859375
486	0.570788	-0.481064	0.534820	3.906250	0.000000	5.859375
487	0.567473	-0.463638	0.602142	0.000000	-5.859375	-3.906250
488	0.571734	-0.453183	0.648785	-3.906250	-13.671875	0.000000
489	0.586790	-0.465660	0.670521	1.953125	-3.906250	-11.718750
490	0.589574	-0.466896	0.677313	7.812500	-1.953125	1.953125
491	0.584994	-0.430138	0.675138	-3.906250	-1.953125	11.718750
492	0.563497	-0.426833	0.680083	-1.953125	-15.625000	23.437500
493	0.525598	-0.424850	0.651800	9.765625	-23.437500	21.484375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
494	0.446609	-0.417410	0.597330	-19.531250	-48.828125	44.921875
495	0.411715	-0.462946	0.489648	-9.765625	-109.375000	23.437500
496	0.409529	-0.502767	0.287539	-15.625000	-158.203125	37.109375
497	0.433218	-0.476660	0.016273	-46.875000	-214.843750	5.859375
498	0.522431	-0.535996	-0.346486	-111.328125	-250.000000	-5.859375
499	0.632208	-0.621598	-0.670392	-103.515625	-210.937500	-1.953125
500	0.648075	-0.710459	-0.939735	-78.125000	-95.703125	-15.625000
501	0.951345	-0.476275	-1.082591	17.578125	54.687500	-46.875000
502	0.708307	-0.385765	-1.043305	11.718750	-42.968750	13.671875
503	0.462484	-0.362709	-1.000983	-7.812500	27.343750	-17.578125
504	0.339991	-0.361375	-0.988090	-11.718750	-9.765625	15.625000
505	0.435244	-0.404325	-0.980354	0.000000	-7.812500	-3.906250
506	0.367397	-0.373845	-0.969462	5.859375	-1.953125	-19.531250
507	0.320438	-0.368057	-0.962927	1.953125	-1.953125	-7.812500
508	0.286013	-0.364584	-0.946506	9.765625	1.953125	23.437500
509	0.277858	-0.350001	-0.949154	9.765625	0.000000	29.296875
510	0.304215	-0.366250	-0.956992	1.953125	-7.812500	0.000000
511	0.313779	-0.382250	-0.942945	-1.953125	1.953125	15.625000
512	0.282017	-0.379350	-0.940767	-5.859375	3.906250	-1.953125
513	0.262960	-0.396360	-0.939460	-9.765625	-7.812500	0.000000
514	0.264026	-0.419066	-0.938676	1.953125	-3.906250	-17.578125
515	0.364887	-0.363754	-0.916724	-3.906250	3.906250	11.718750
516	0.368932	-0.368252	-0.912535	-1.953125	-1.953125	7.812500
517	0.377609	-0.370951	-0.910021	-5.859375	-3.906250	3.906250
518	0.389066	-0.378821	-0.914762	-5.859375	-3.906250	1.953125
519	0.389689	-0.383542	-0.911357	-1.953125	1.953125	5.859375
520	0.383814	-0.392625	-0.909314	-1.953125	1.953125	7.812500
521	0.349038	-0.441825	-0.901839	0.000000	0.000000	76.171875
522	0.259423	-0.727595	-0.916103	39.062500	-9.765625	105.468750
523	0.093154	-1.061557	-1.005912	166.015625	-52.734375	21.484375
524	0.055892	-1.430684	-1.234797	248.046875	-109.375000	-62.500000
525	0.039785	-1.370911	-1.209628	248.046875	-76.171875	-5.859375
526	0.067621	-0.903796	-0.907027	248.046875	-68.359375	35.156250
527	0.140573	-0.398528	-0.687966	222.656250	-29.296875	62.500000
528	0.246844	-0.070367	-0.450280	66.406250	-7.812500	103.515625
529	0.310606	-0.104720	0.167332	-126.953125	0.000000	27.343750
530	0.280114	-0.544082	0.894149	-68.359375	-3.906250	39.062500
531	0.268068	-0.376449	0.861490	44.921875	-3.906250	87.890625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
532	0.285841	-0.344620	0.841894	-82.031250	9.765625	-23.437500
533	0.284005	-0.281772	0.592636	-171.875000	54.687500	54.687500
534	0.045403	-0.375313	0.218082	-248.046875	152.343750	-3.906250
535	-0.110258	-0.368938	-0.156651	-250.000000	41.015625	-46.875000
536	-0.153655	-0.746363	-0.531491	-250.000000	9.765625	-146.484375
537	0.245307	-0.954068	-0.931394	-187.500000	42.968750	13.671875
538	0.309684	-0.797441	-1.077587	-80.078125	148.437500	134.765625
539	0.379561	-0.665964	-1.090302	11.718750	-41.015625	50.781250
540	0.333986	-0.524579	-1.004181	19.531250	29.296875	-19.531250
541	0.312892	-0.458497	-0.958759	-37.109375	1.953125	23.437500
542	0.293985	-0.425098	-0.962755	-21.484375	5.859375	-13.671875
543	0.313891	-0.392559	-0.971403	-1.953125	-13.671875	-3.906250
544	0.344585	-0.335535	-0.964092	17.578125	-9.765625	-21.484375
545	0.363001	-0.295071	-0.959705	7.812500	-5.859375	-5.859375
546	0.361550	-0.277043	-0.957073	0.000000	0.000000	-3.906250
547	0.360680	-0.272476	-0.955494	-1.953125	-1.953125	-3.906250
548	0.366408	-0.269735	-0.954546	-1.953125	-1.953125	-5.859375
549	0.376095	-0.274341	-0.953978	-1.953125	-1.953125	-3.906250
550	0.375657	-0.277105	-0.947387	-1.953125	0.000000	-1.953125
551	0.375394	-0.278763	-0.943432	0.000000	0.000000	-1.953125
552	0.375002	-0.278937	-0.953017	-1.953125	-1.953125	-1.953125
553	0.375001	-0.273612	-0.946810	-1.953125	-1.953125	-1.953125
554	0.375001	-0.276667	-0.949336	-1.953125	-1.953125	-1.953125
555	0.375000	-0.284750	-0.950852	0.000000	0.000000	0.000000
556	0.375000	-0.289600	-0.945511	1.953125	-1.953125	-1.953125
557	0.368750	-0.298760	-0.948557	1.953125	-1.953125	-3.906250
558	0.377500	-0.329256	-0.956634	5.859375	-1.953125	13.671875
559	0.401500	-0.503804	-0.980230	17.578125	-19.531250	50.781250
560	0.447150	-0.858532	-1.075638	128.906250	-13.671875	41.015625
561	0.412040	-1.177619	-1.295383	248.046875	19.531250	5.859375
562	0.247224	-1.212822	-1.420980	248.046875	37.109375	13.671875
563	0.173334	-0.858943	-1.240088	248.046875	-19.531250	99.609375
564	0.197751	-0.377866	-0.987803	248.046875	-41.015625	160.156250
565	0.356150	0.017031	-0.605182	109.375000	-48.828125	134.765625
566	0.319940	-0.058532	0.161891	-117.187500	19.531250	3.906250
567	0.248214	-0.366369	0.847135	-52.734375	44.921875	17.578125
568	0.192678	-0.257321	0.883281	39.062500	21.484375	64.453125
569	0.128107	-0.235643	0.961218	-9.765625	15.625000	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
570	0.108114	-0.241386	0.914231	-66.406250	7.812500	-13.671875
571	0.058619	-0.219831	0.661039	-158.203125	46.875000	-15.625000
572	0.047671	-0.225649	0.315373	-250.000000	85.937500	15.625000
573	-0.127647	-0.247889	-0.060776	-250.000000	113.281250	-85.937500
574	-0.151588	-0.742484	-0.655216	-250.000000	-3.906250	-250.000000
575	0.302797	-0.595490	-1.193129	-191.406250	35.156250	167.968750
576	0.212928	-0.626044	-1.165878	23.437500	58.593750	212.890625
577	0.259007	-0.494376	-1.080777	58.593750	3.906250	-15.625000
578	0.292904	-0.377876	-1.035966	-1.953125	1.953125	-54.687500
579	0.275742	-0.351726	-1.027830	0.000000	13.671875	5.859375
580	0.290445	-0.311035	-1.010448	19.531250	-13.671875	-5.859375
581	0.318017	-0.274121	-0.981269	9.765625	-9.765625	-7.812500
582	0.340810	-0.264473	-0.970011	-1.953125	-7.812500	-17.578125
583	0.360736	-0.258684	-0.969507	-3.906250	-1.953125	-13.671875
584	0.366442	-0.261460	-0.962954	-5.859375	0.000000	-7.812500
585	0.363615	-0.263126	-0.959022	-3.906250	1.953125	-3.906250
586	0.361919	-0.264126	-0.956663	-1.953125	1.953125	0.000000
587	0.354651	-0.264725	-0.955248	1.953125	0.000000	1.953125
588	0.356541	-0.258835	-0.954399	0.000000	-1.953125	0.000000
589	0.378927	-0.200253	-0.969354	0.000000	-1.953125	0.000000
590	0.383606	-0.201402	-0.969113	0.000000	-1.953125	0.000000
591	0.386414	-0.202091	-0.968968	-1.953125	0.000000	0.000000
592	0.381848	-0.202505	-0.968881	-1.953125	0.000000	0.000000
593	0.379109	-0.202753	-0.968828	0.000000	-1.953125	-1.953125
594	0.383715	-0.209152	-0.968797	-1.953125	-1.953125	-1.953125
595	0.380229	-0.212991	-0.968778	-3.906250	-1.953125	1.953125
596	0.403138	-0.396545	-0.981267	-3.906250	-15.625000	83.984375
597	0.423133	-0.794177	-1.113760	97.656250	-13.671875	27.343750
598	0.316380	-1.014006	-1.374506	238.281250	-21.484375	31.250000
599	0.202328	-1.083404	-1.487204	248.046875	-56.640625	-23.437500
600	0.146397	-0.931292	-1.336072	248.046875	-1.953125	-41.015625
601	0.144088	-0.521275	-1.076643	248.046875	46.875000	48.828125
602	0.198953	-0.156515	-0.833486	248.046875	-31.250000	167.968750
603	0.331872	0.181091	-0.400092	58.593750	13.671875	52.734375
604	0.255373	0.002405	0.478695	-148.437500	-17.578125	-17.578125
605	0.159474	-0.092307	0.780967	39.062500	56.640625	15.625000
606	0.164434	-0.180384	0.824830	-25.390625	7.812500	0.000000
607	0.092411	-0.195731	0.926148	3.906250	33.203125	1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
608	0.055446	-0.179938	0.949439	-3.906250	3.906250	-1.953125
609	0.083268	-0.132963	0.950913	-31.250000	-5.859375	7.812500
610	0.081211	-0.029778	0.720548	-154.296875	33.203125	44.921875
611	-0.013774	-0.030367	0.282329	-250.000000	23.437500	9.765625
612	-0.064514	-0.261970	-0.380603	-250.000000	66.406250	87.890625
613	-0.219958	-0.538432	-0.778362	-250.000000	21.484375	29.296875
614	-0.113225	-0.648059	-0.979517	-162.109375	212.890625	-99.609375
615	0.269565	-0.895086	-1.350210	-193.359375	29.296875	126.953125
616	0.261739	-0.593301	-1.260126	146.484375	29.296875	-115.234375
617	0.232043	-0.343481	-1.124826	46.875000	72.265625	216.796875
618	0.251726	-0.299838	-1.024895	-11.718750	-3.906250	-25.390625
619	0.269786	-0.336153	-1.002437	-33.203125	-17.578125	11.718750
620	0.305621	-0.357942	-0.982712	0.000000	-7.812500	5.859375
621	0.327123	-0.371015	-0.970877	1.953125	-7.812500	-17.578125
622	0.340024	-0.347609	-0.957526	5.859375	-5.859375	-19.531250
623	0.341514	-0.327315	-0.955766	0.000000	1.953125	-3.906250
624	0.336159	-0.315139	-0.954710	-3.906250	-1.953125	-3.906250
625	0.332945	-0.314084	-0.954076	-1.953125	0.000000	-3.906250
626	0.337267	-0.313450	-0.953695	-1.953125	-1.953125	-3.906250
627	0.339860	-0.306820	-0.953467	0.000000	-1.953125	0.000000
628	0.341416	-0.309092	-0.953330	-1.953125	-1.953125	-1.953125
629	0.347307	-0.232558	-0.968750	-1.953125	-1.953125	-1.953125
630	0.345884	-0.233285	-0.968750	-1.953125	-1.953125	-1.953125
631	0.345031	-0.233721	-0.968750	-1.953125	-1.953125	0.000000
632	0.350768	-0.233982	-0.968750	-1.953125	-1.953125	0.000000
633	0.347961	-0.227889	-0.968750	0.000000	0.000000	0.000000
634	0.346277	-0.230484	-0.968750	-1.953125	-1.953125	-1.953125
635	0.339016	-0.263290	-0.968750	-3.906250	-9.765625	19.531250
636	0.334660	-0.464224	-0.993750	1.953125	-21.484375	87.890625
637	0.307046	-0.816034	-1.115000	95.703125	-35.156250	35.156250
638	0.271727	-1.095871	-1.444000	214.843750	-27.343750	-23.437500
639	0.163036	-1.188772	-1.666400	248.046875	33.203125	-25.390625
640	0.122822	-0.750763	-1.618590	248.046875	33.203125	82.031250
641	0.167443	-0.250458	-1.221154	248.046875	-64.453125	187.500000
642	0.350466	0.093475	-0.888942	132.812500	-91.796875	89.843750
643	0.410280	0.262335	-0.189615	-123.046875	19.531250	50.781250
644	0.333668	-0.373849	0.679981	-107.421875	17.578125	3.906250
645	0.343951	-0.274309	0.714238	15.625000	-54.687500	87.890625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
646	0.325120	-0.308336	0.772293	-11.718750	15.625000	-19.531250
647	0.282572	-0.272501	0.763376	-58.593750	44.921875	0.000000
648	0.207043	-0.126001	0.533026	-144.531250	128.906250	44.921875
649	0.005476	-0.119350	0.126065	-250.000000	203.125000	-1.953125
650	-0.190464	-0.359110	-0.424361	-250.000000	169.921875	-29.296875
651	-0.176779	-0.834216	-0.935866	-250.000000	173.828125	-250.000000
652	0.175183	-0.888030	-1.286520	-150.390625	171.875000	107.421875
653	0.223860	-0.745318	-1.296912	60.546875	-19.531250	-11.718750
654	0.203066	-0.422191	-1.134397	76.171875	39.062500	136.718750
655	0.240589	-0.378314	-1.030638	-29.296875	-11.718750	-11.718750
656	0.288104	-0.345739	-1.030883	-19.531250	-9.765625	-72.265625
657	0.310362	-0.326193	-1.012280	3.906250	-3.906250	7.812500
658	0.323717	-0.283216	-0.988618	1.953125	-5.859375	-13.671875
659	0.319230	-0.263680	-0.986921	-1.953125	-1.953125	-7.812500
660	0.322788	-0.251958	-0.979652	0.000000	-5.859375	-1.953125
661	0.337423	-0.257425	-0.975291	-1.953125	-1.953125	0.000000
662	0.339954	-0.254455	-0.972675	0.000000	0.000000	-1.953125
663	0.335222	-0.246423	-0.971105	-1.953125	0.000000	0.000000
664	0.332383	-0.254104	-0.970163	0.000000	-1.953125	0.000000
665	0.336930	-0.252462	-0.969598	1.953125	-1.953125	-1.953125
666	0.347730	-0.256227	-0.968690	0.000000	0.000000	1.953125
667	0.346138	-0.253736	-0.968714	0.000000	0.000000	1.953125
668	0.345183	-0.252242	-0.968728	-1.953125	0.000000	-1.953125
669	0.344610	-0.245095	-0.968737	-1.953125	0.000000	0.000000
670	0.344266	-0.247057	-0.968742	-1.953125	0.000000	-1.953125
671	0.350309	-0.248234	-0.968745	-3.906250	0.000000	1.953125
672	0.353936	-0.255191	-0.962497	-7.812500	-3.906250	25.390625
673	0.312361	-0.428114	-0.996248	-41.015625	-21.484375	160.156250
674	0.162417	-0.888119	-1.147749	80.078125	-5.859375	68.359375
675	0.003700	-1.157871	-1.488649	248.046875	-78.125000	21.484375
676	-0.054030	-1.188473	-1.693190	248.046875	-162.109375	15.625000
677	0.042582	-0.713084	-1.634664	248.046875	-146.484375	41.015625
678	0.200549	-0.252850	-1.355798	248.046875	-89.843750	109.375000
679	0.407830	0.198290	-0.982229	95.703125	-62.500000	46.875000
680	0.450948	-0.024776	-0.033087	-244.140625	0.000000	50.781250
681	0.401819	-0.252366	0.517648	21.484375	7.812500	-37.109375
682	0.403591	-0.301419	0.566839	0.000000	29.296875	91.796875
683	0.298405	-0.212102	0.558853	-72.265625	107.421875	-17.578125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
684	0.166543	-0.158511	0.379062	-222.656250	115.234375	31.250000
685	-0.043824	-0.176357	0.008687	-250.000000	111.328125	72.265625
686	-0.138795	-0.449564	-0.569788	-250.000000	125.000000	-41.015625
687	-0.095777	-0.569738	-0.998123	-250.000000	207.031250	-29.296875
688	-0.019966	-0.616843	-1.230124	-185.546875	54.687500	-70.312500
689	0.169270	-0.545106	-1.219324	134.765625	-9.765625	-21.484375
690	0.182812	-0.345813	-1.081594	41.015625	23.437500	39.062500
691	0.215937	-0.301238	-1.030207	-19.531250	9.765625	-21.484375
692	0.223312	-0.299493	-1.030624	-5.859375	-9.765625	-19.531250
693	0.296487	-0.279696	-1.012124	19.531250	-23.437500	-25.390625
694	0.359142	-0.217817	-0.988525	3.906250	-1.953125	-23.437500
695	0.352985	-0.224440	-0.986865	-3.906250	0.000000	5.859375
696	0.343041	-0.222164	-0.979619	0.000000	0.000000	0.000000
697	0.337075	-0.220799	-0.975271	0.000000	-1.953125	0.000000
698	0.345995	-0.219979	-0.972663	0.000000	-1.953125	-3.906250
699	0.351347	-0.213237	-0.971098	-1.953125	1.953125	0.000000
700	0.354558	-0.221692	-0.970159	-1.953125	0.000000	0.000000
701	0.350235	-0.220515	-0.969595	-1.953125	0.000000	0.000000
702	0.345722	-0.218751	-0.968788	0.000000	-1.953125	-3.906250
703	0.344933	-0.212501	-0.968773	0.000000	-1.953125	-1.953125
704	0.344460	-0.215000	-0.968764	-1.953125	0.000000	-1.953125
705	0.344176	-0.216500	-0.968758	-1.953125	-1.953125	-1.953125
706	0.344006	-0.217400	-0.968755	0.000000	-1.953125	-1.953125
707	0.337653	-0.224190	-0.975003	-3.906250	-3.906250	1.953125
708	0.321342	-0.347014	-0.991252	5.859375	-11.718750	68.359375
709	0.274055	-0.658208	-1.007251	29.296875	-33.203125	107.421875
710	0.158183	-0.976175	-1.185601	126.953125	-39.062500	89.843750
711	0.007410	-1.148205	-1.511360	248.046875	-52.734375	72.265625
712	0.035696	-0.913923	-1.681816	248.046875	-128.906250	35.156250
713	0.133918	-0.510854	-1.365340	248.046875	-123.046875	41.015625
714	0.236601	-0.162762	-0.987954	236.328125	-95.703125	105.468750
715	0.341960	0.089843	-0.324022	48.828125	-29.296875	44.921875
716	0.273926	-0.071094	0.505587	-62.500000	-37.109375	-183.593750
717	0.233106	-0.042657	0.653352	19.531250	13.671875	150.390625
718	0.208613	-0.063094	0.742011	-44.921875	29.296875	-39.062500
719	0.156418	-0.044106	0.613957	-130.859375	54.687500	27.343750
720	0.106351	-0.051464	0.318374	-250.000000	126.953125	11.718750
721	0.020061	-0.299628	-0.121476	-250.000000	125.000000	-33.203125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
722	-0.175464	-0.673527	-0.572885	-250.000000	117.187500	-130.859375
723	0.000972	-0.816616	-1.062481	-250.000000	-9.765625	-111.328125
724	0.238083	-0.933720	-1.212489	19.531250	136.718750	-62.500000
725	0.311600	-0.678982	-1.102493	33.203125	19.531250	44.921875
726	0.305710	-0.532389	-1.005246	-13.671875	1.953125	15.625000
727	0.302176	-0.494433	-0.996898	-29.296875	0.000000	19.531250
728	0.275056	-0.427910	-0.985639	-9.765625	1.953125	-7.812500
729	0.277533	-0.412996	-0.972633	-3.906250	-1.953125	-5.859375
730	0.310270	-0.385298	-0.958580	7.812500	-1.953125	-21.484375
731	0.317412	-0.343679	-0.956398	0.000000	-1.953125	-7.812500
732	0.315447	-0.318707	-0.955089	-1.953125	-3.906250	-5.859375
733	0.320518	-0.316224	-0.954303	0.000000	-3.906250	-1.953125
734	0.323561	-0.302235	-0.953832	1.953125	-3.906250	-3.906250
735	0.325387	-0.287591	-0.953549	1.953125	-1.953125	-1.953125
736	0.326482	-0.297554	-0.953380	-3.906250	0.000000	7.812500
737	0.327139	-0.309783	-0.953278	-1.953125	0.000000	-1.953125
738	0.395115	-0.273870	-0.943505	-1.953125	3.906250	1.953125
739	0.399569	-0.270572	-0.941103	-5.859375	7.812500	1.953125
740	0.402241	-0.268593	-0.939662	-5.859375	7.812500	-1.953125
741	0.410095	-0.273656	-0.938797	-5.859375	7.812500	7.812500
742	0.408557	-0.276694	-0.932028	-7.812500	5.859375	9.765625
743	0.420134	-0.278516	-0.915467	-5.859375	1.953125	7.812500
744	0.402080	-0.310860	-0.918030	-11.718750	0.000000	78.125000
745	0.334998	-0.455266	-0.950818	11.718750	-27.343750	107.421875
746	0.194749	-0.748159	-1.076741	107.421875	-91.796875	52.734375
747	0.091849	-1.023896	-1.114795	148.437500	-187.500000	109.375000
748	-0.288640	-1.314337	-1.300127	248.046875	-74.218750	-19.531250
749	-0.554434	-1.194852	-1.361326	248.046875	-158.203125	-5.859375
750	-0.338911	-0.698161	-1.179296	248.046875	-240.234375	44.921875
751	0.127904	-0.250147	-0.963827	107.421875	-210.937500	166.015625
752	0.414242	-0.025088	-0.753296	-48.828125	-56.640625	42.968750
753	0.336045	-0.352553	-0.064478	-150.390625	68.359375	58.593750
754	0.270377	-0.999032	0.755063	-125.000000	-103.515625	-25.390625
755	0.418476	-0.736919	0.503038	91.796875	-70.312500	82.031250
756	0.457336	-0.748401	0.526823	-33.203125	35.156250	-27.343750
757	0.374401	-0.699041	0.559844	-37.109375	91.796875	46.875000
758	0.293391	-0.544425	0.410906	-107.421875	160.156250	44.921875
759	0.101035	-0.407905	0.115294	-166.015625	248.046875	19.531250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
760	-0.145629	-0.450993	-0.230824	-250.000000	146.484375	-85.937500
761	-0.012378	-0.801846	-0.757244	-250.000000	123.046875	-87.890625
762	0.217573	-0.799857	-1.054347	-80.078125	162.109375	-5.859375
763	0.336794	-0.704914	-1.101358	48.828125	3.906250	-13.671875
764	0.333326	-0.535449	-1.004565	25.390625	19.531250	37.109375
765	0.318746	-0.421269	-0.952739	-19.531250	-7.812500	-42.968750
766	0.359998	-0.402762	-0.946643	-33.203125	-15.625000	7.812500
767	0.372249	-0.416657	-0.955486	-9.765625	-1.953125	11.718750
768	0.373349	-0.349994	-0.954542	11.718750	-5.859375	-19.531250
769	0.380259	-0.309996	-0.947725	5.859375	-5.859375	-9.765625
770	0.396906	-0.273498	-0.943635	-3.906250	-1.953125	-3.906250
771	0.394393	-0.270349	-0.941181	-5.859375	0.000000	3.906250
772	0.386636	-0.293459	-0.945959	1.953125	-3.906250	-3.906250
773	0.394482	-0.282326	-0.936325	0.000000	-1.953125	-3.906250
774	0.392939	-0.294395	-0.936795	0.000000	-1.953125	-1.953125
775	0.392013	-0.282887	-0.937077	0.000000	-3.906250	-5.859375
776	0.411751	-0.294518	-0.921882	-1.953125	0.000000	0.000000
777	0.409551	-0.295461	-0.921879	-1.953125	-1.953125	0.000000
778	0.414480	-0.289777	-0.921877	-1.953125	-1.953125	-1.953125
779	0.423688	-0.286366	-0.928126	-1.953125	0.000000	-1.953125
780	0.447963	-0.284320	-0.925626	0.000000	3.906250	3.906250
781	0.462528	-0.301842	-0.917876	-1.953125	13.671875	17.578125
782	0.377517	-0.362355	-0.906975	-13.671875	9.765625	17.578125
783	0.257760	-0.592413	-0.937935	-3.906250	-35.156250	39.062500
784	0.292156	-0.942948	-1.094011	125.000000	-103.515625	-7.812500
785	0.350294	-1.215769	-1.412657	248.046875	-62.500000	-1.953125
786	0.197676	-1.291961	-1.578844	248.046875	-23.437500	50.781250
787	0.087356	-0.950177	-1.447306	248.046875	-39.062500	23.437500
788	0.139913	-0.538856	-1.112134	248.046875	-105.468750	101.562500
789	0.252698	-0.142064	-0.804780	138.671875	-50.781250	-3.906250
790	0.376619	0.152262	-0.389118	-44.921875	-72.265625	7.812500
791	0.363471	-0.046143	0.316529	-169.921875	31.250000	72.265625
792	0.443083	-0.508936	0.839917	-109.375000	-13.671875	-13.671875
793	0.384600	-0.461611	0.803950	48.828125	39.062500	33.203125
794	0.330760	-0.420717	0.757370	-23.437500	21.484375	9.765625
795	0.242206	-0.396180	0.648172	-76.171875	111.328125	23.437500
796	0.095324	-0.325208	0.445153	-164.062500	156.250000	46.875000
797	-0.105306	-0.388875	0.135842	-250.000000	193.359375	13.671875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
798	-0.156934	-0.577075	-0.343495	-250.000000	107.421875	-103.515625
799	-0.031660	-0.633745	-0.799847	-250.000000	74.218750	-250.000000
800	0.281004	-0.867747	-1.161158	-82.031250	117.187500	210.937500
801	0.287352	-0.658148	-1.109195	82.031250	-41.015625	31.250000
802	0.297411	-0.444889	-0.984267	15.625000	9.765625	-5.859375
803	0.303447	-0.379433	-0.984310	-42.968750	17.578125	-17.578125
804	0.325818	-0.371410	-0.990586	-5.859375	-7.812500	-13.671875
805	0.357991	-0.322846	-0.969352	15.625000	-7.812500	7.812500
806	0.377295	-0.287458	-0.956611	1.953125	-3.906250	1.953125
807	0.382627	-0.278725	-0.948967	1.953125	0.000000	-1.953125
808	0.379576	-0.273485	-0.944380	-1.953125	0.000000	-1.953125
809	0.383996	-0.276591	-0.941628	-1.953125	-1.953125	-5.859375
810	0.392897	-0.278455	-0.946227	0.000000	-1.953125	-1.953125
811	0.398238	-0.273323	-0.948986	1.953125	-1.953125	-1.953125
812	0.401443	-0.270244	-0.944392	0.000000	0.000000	-1.953125
813	0.397116	-0.268396	-0.941635	-1.953125	0.000000	-1.953125
814	0.391975	-0.251177	-0.948335	-1.953125	0.000000	0.000000
815	0.391435	-0.250706	-0.950251	0.000000	0.000000	0.000000
816	0.391111	-0.250424	-0.951401	-1.953125	0.000000	0.000000
817	0.397167	-0.250254	-0.952090	-1.953125	0.000000	-1.953125
818	0.400800	-0.256403	-0.952504	-1.953125	0.000000	-1.953125
819	0.390480	-0.285092	-0.952753	-1.953125	-1.953125	0.000000
820	0.359288	-0.396055	-0.971652	-1.953125	-15.625000	70.312500
821	0.278073	-0.681383	-1.026741	64.453125	-35.156250	111.328125
822	0.216844	-0.971330	-1.066045	169.921875	-85.937500	-7.812500
823	0.180106	-1.126548	-1.220877	248.046875	-27.343750	-37.109375
824	0.114314	-1.100929	-1.251276	248.046875	-42.968750	19.531250
825	0.043588	-0.960557	-1.100766	248.046875	-93.750000	64.453125
826	0.051153	-0.588834	-0.810459	248.046875	-125.000000	142.578125
827	0.186942	-0.265801	-0.630026	140.625000	-162.109375	185.546875
828	0.355915	-0.190730	-0.334265	-23.437500	-117.187500	105.468750
829	0.369799	-0.408188	0.424441	-41.015625	35.156250	-19.531250
830	0.384379	-0.388663	0.873414	23.437500	-58.593750	39.062500
831	0.480628	-0.383198	0.799049	-39.062500	39.062500	-27.343750
832	0.319627	-0.304919	0.654429	-70.312500	175.781250	15.625000
833	0.104276	-0.226701	0.348908	-222.656250	248.046875	-87.890625
834	-0.043684	-0.411021	-0.096905	-250.000000	248.046875	-142.578125
835	0.092539	-0.615362	-0.589393	-250.000000	91.796875	-250.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
836	0.255524	-0.525467	-1.153636	-187.500000	-25.390625	31.250000
837	0.159564	-0.927780	-1.073432	-64.453125	60.546875	-109.375000
838	0.226988	-0.487918	-1.150309	146.484375	60.546875	109.375000
839	0.242443	-0.405251	-0.977685	-1.953125	-9.765625	68.359375
840	0.364216	-0.374401	-0.974111	-35.156250	-19.531250	-17.578125
841	0.374780	-0.349640	-0.965717	7.812500	-7.812500	-31.250000
842	0.368618	-0.303534	-0.954430	-1.953125	-3.906250	-3.906250
843	0.364921	-0.282121	-0.953908	-7.812500	-5.859375	-9.765625
844	0.375202	-0.306772	-0.953595	-7.812500	-3.906250	11.718750
845	0.381371	-0.290313	-0.953407	3.906250	-3.906250	-7.812500
846	0.378823	-0.274188	-0.947044	-1.953125	-3.906250	5.859375
847	0.383544	-0.295763	-0.943226	0.000000	-1.953125	1.953125
848	0.386376	-0.289958	-0.947186	7.812500	0.000000	-7.812500
849	0.388076	-0.280225	-0.943312	0.000000	-1.953125	0.000000
850	0.377025	-0.277468	-0.946278	-1.953125	0.000000	0.000000
851	0.376215	-0.278981	-0.942767	0.000000	0.000000	3.906250
852	0.375729	-0.279889	-0.940660	-1.953125	0.000000	-1.953125
853	0.381687	-0.280433	-0.939396	-1.953125	-1.953125	0.000000
854	0.391512	-0.287010	-0.938638	0.000000	1.953125	1.953125
855	0.397407	-0.290956	-0.938183	0.000000	5.859375	9.765625
856	0.394694	-0.324574	-0.931660	-3.906250	3.906250	46.875000
857	0.299317	-0.550994	-0.996496	-17.578125	-5.859375	158.203125
858	0.135840	-0.849346	-1.085397	89.843750	-52.734375	48.828125
859	0.031504	-1.172108	-1.301238	208.984375	-130.859375	33.203125
860	-0.124848	-1.165765	-1.499493	248.046875	-128.906250	60.546875
861	-0.193659	-1.005709	-1.405946	248.046875	-162.109375	9.765625
862	-0.103695	-0.609675	-1.062318	248.046875	-203.125000	68.359375
863	0.144033	-0.259555	-0.749891	125.000000	-167.968750	78.125000
864	0.373920	-0.055733	-0.499934	44.921875	-99.609375	74.218750
865	0.524352	-0.070940	-0.218711	-68.359375	0.000000	15.625000
866	0.327111	-0.311314	0.343774	-64.453125	183.593750	52.734375
867	-0.009983	-0.624288	1.000014	-37.109375	-56.640625	-148.437500
868	0.194010	-0.580823	0.806259	25.390625	-56.640625	117.187500
869	0.153906	-0.460994	0.652505	-41.015625	138.671875	-19.531250
870	0.067344	-0.364096	0.479003	-138.671875	156.250000	-9.765625
871	-0.028344	-0.362208	0.187402	-232.421875	248.046875	5.859375
872	-0.317006	-0.517325	-0.231309	-250.000000	236.328125	-37.109375
873	-0.390204	-0.741645	-0.701285	-250.000000	68.359375	-185.546875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
874	0.053378	-0.926237	-1.114521	-33.203125	226.562500	-11.718750
875	0.138277	-0.905742	-1.043713	-62.500000	19.531250	138.671875
876	0.226716	-0.649695	-1.038728	56.640625	5.859375	-60.546875
877	0.217280	-0.452317	-0.973237	-9.765625	11.718750	-19.531250
878	0.217868	-0.421390	-0.971442	-19.531250	5.859375	-7.812500
879	0.255721	-0.384084	-0.976615	7.812500	-29.296875	-31.250000
880	0.347182	-0.355451	-0.979719	33.203125	-25.390625	-39.062500
881	0.402059	-0.219520	-0.956581	13.671875	-3.906250	-35.156250
882	0.409986	-0.250462	-0.955199	-17.578125	3.906250	25.390625
883	0.383491	-0.262777	-0.954369	-13.671875	5.859375	-13.671875
884	0.380095	-0.282666	-0.947622	-7.812500	1.953125	-5.859375
885	0.378057	-0.288350	-0.949823	1.953125	-1.953125	3.906250
886	0.383084	-0.279260	-0.944894	5.859375	-1.953125	7.812500
887	0.386100	-0.267556	-0.941936	3.906250	-1.953125	9.765625
888	0.371132	-0.293324	-0.944357	0.000000	-1.953125	0.000000
889	0.372679	-0.300994	-0.941614	0.000000	-1.953125	-5.859375
890	0.373608	-0.299347	-0.946219	1.953125	-1.953125	-5.859375
891	0.374165	-0.292108	-0.948981	0.000000	-1.953125	-3.906250
892	0.374499	-0.294015	-0.944389	0.000000	-1.953125	-1.953125
893	0.368449	-0.288909	-0.941633	0.000000	-1.953125	0.000000
894	0.371070	-0.304595	-0.946230	-1.953125	-1.953125	1.953125
895	0.422642	-0.414007	-0.992738	23.437500	-11.718750	7.812500
896	0.503585	-0.885904	-1.133143	134.765625	-3.906250	154.296875
897	0.439651	-1.244043	-1.204886	248.046875	-25.390625	72.265625
898	0.276291	-0.933926	-0.879181	248.046875	-7.812500	35.156250
899	0.134524	-0.385355	-0.352509	210.937500	66.406250	-21.484375
900	0.149465	-0.199963	-0.255255	-140.625000	70.312500	-3.906250
901	0.108429	-0.576228	-0.515653	-250.000000	66.406250	105.468750
902	-0.197443	-1.145737	-0.590642	-19.531250	-7.812500	27.343750
903	-0.180966	-1.487442	-1.073135	248.046875	-181.640625	42.968750
904	0.116421	-0.704965	-0.800131	248.046875	-119.140625	101.562500
905	0.201102	0.052021	-0.355079	142.578125	-15.625000	103.515625
906	0.201911	0.287463	0.080703	-21.484375	-13.671875	17.578125
907	0.158647	0.234978	0.379672	-64.453125	-15.625000	44.921875
908	0.132688	0.159737	0.540303	-87.890625	-5.859375	52.734375
909	0.079613	0.064592	0.686682	-152.343750	-9.765625	-13.671875
910	0.060268	-0.023745	0.649509	-250.000000	-27.343750	72.265625
911	0.004911	-0.120497	0.452205	-250.000000	52.734375	70.312500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
912	-0.084554	-0.353548	0.108823	-250.000000	35.156250	37.109375
913	0.080518	-0.705879	-0.378456	-250.000000	109.375000	-80.078125
914	0.073311	-0.904777	-0.858324	-246.093750	216.796875	-130.859375
915	0.337736	-0.736616	-1.089994	-123.046875	-44.921875	169.921875
916	0.358892	-0.685720	-1.060247	5.859375	7.812500	21.484375
917	0.346585	-0.486432	-1.023648	7.812500	-5.859375	-11.718750
918	0.320451	-0.379359	-0.995439	-21.484375	9.765625	-3.906250
919	0.323521	-0.371365	-0.997263	-9.765625	-1.953125	11.718750
920	0.350362	-0.304069	-0.979608	9.765625	-1.953125	-23.437500
921	0.341467	-0.263692	-0.975265	-1.953125	-3.906250	-3.906250
922	0.342380	-0.251965	-0.972659	0.000000	-3.906250	-7.812500
923	0.342928	-0.244929	-0.971095	0.000000	-3.906250	-5.859375
924	0.337007	-0.234457	-0.976407	1.953125	-1.953125	-5.859375
925	0.339704	-0.228174	-0.979594	0.000000	0.000000	-1.953125
926	0.365007	-0.251879	-0.959388	0.000000	-1.953125	0.000000
927	0.362754	-0.257378	-0.956883	-1.953125	-1.953125	1.953125
928	0.361402	-0.260677	-0.955380	-1.953125	-1.953125	0.000000
929	0.360591	-0.262656	-0.954478	0.000000	-1.953125	0.000000
930	0.366355	-0.288844	-0.960187	3.906250	-3.906250	-3.906250
931	0.388563	-0.392056	-1.019862	-3.906250	-42.968750	1.953125
932	0.451888	-0.772734	-1.224417	150.390625	-41.015625	56.640625
933	0.346133	-1.094890	-1.253400	248.046875	-48.828125	37.109375
934	0.276430	-0.894434	-0.939540	248.046875	-9.765625	-13.671875
935	0.203358	-0.492910	-0.488724	248.046875	85.937500	7.812500
936	0.222015	-0.176996	-0.268234	41.015625	132.812500	-27.343750
937	0.139459	-0.337448	-0.385941	-250.000000	99.609375	-13.671875
938	-0.072575	-1.002469	-0.450314	-177.734375	-1.953125	-87.890625
939	-0.274795	-1.401481	-0.951439	248.046875	-83.984375	111.328125
940	0.003873	-0.884639	-0.770863	248.046875	-214.843750	89.843750
941	0.158574	0.081717	-0.393768	216.796875	-46.875000	80.078125
942	0.157644	0.374030	0.007489	-3.906250	-1.953125	17.578125
943	0.100837	0.349418	0.379494	-13.671875	-1.953125	-3.906250
944	0.060502	0.340901	0.615196	-9.765625	-5.859375	-1.953125
945	0.055051	0.342040	0.744118	-7.812500	-7.812500	-15.625000
946	0.033031	0.336474	0.815221	-15.625000	-3.906250	-9.765625
947	0.044818	0.295635	0.795382	-25.390625	0.000000	9.765625
948	0.070641	0.283631	0.720979	-83.984375	5.859375	1.953125
949	0.036135	0.113928	0.720088	-167.968750	-3.906250	-50.781250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
950	-0.034569	-0.000393	0.557053	-250.000000	46.875000	5.859375
951	-0.058242	-0.212736	0.171732	-250.000000	87.890625	-33.203125
952	0.008805	-0.608891	-0.153211	-250.000000	29.296875	-109.375000
953	0.080283	-0.771585	-0.541927	-250.000000	29.296875	-56.640625
954	0.254420	-0.844201	-0.918906	-146.484375	39.062500	-29.296875
955	0.315152	-0.950271	-0.976344	-31.250000	60.546875	103.515625
956	0.351591	-0.657662	-0.967056	60.546875	-23.437500	-83.984375
957	0.348455	-0.482097	-0.936484	-13.671875	-1.953125	13.671875
958	0.346573	-0.433008	-0.949390	-13.671875	-1.953125	-11.718750
959	0.376694	-0.391055	-0.938384	9.765625	-5.859375	-23.437500
960	0.382266	-0.340883	-0.938030	0.000000	-5.859375	-15.625000
961	0.373110	-0.317030	-0.944068	1.953125	-3.906250	-7.812500
962	0.380116	-0.315218	-0.947691	0.000000	-1.953125	0.000000
963	0.384320	-0.314131	-0.937365	9.765625	-3.906250	-15.625000
964	0.380592	-0.288478	-0.937419	0.000000	0.000000	-3.906250
965	0.328182	-0.291365	-0.958444	0.000000	-1.953125	1.953125
966	0.321909	-0.293569	-0.962566	-1.953125	-1.953125	1.953125
967	0.318145	-0.294891	-0.958790	0.000000	-1.953125	0.000000
968	0.315887	-0.295685	-0.956524	-1.953125	-1.953125	1.953125
969	0.314532	-0.302411	-0.961414	-1.953125	-1.953125	0.000000
970	0.319969	-0.300197	-0.964349	0.000000	-1.953125	0.000000
971	0.329482	-0.323868	-0.984859	1.953125	-13.671875	9.765625
972	0.366439	-0.550571	-1.047165	29.296875	-15.625000	39.062500
973	0.338613	-0.886592	-1.097049	119.140625	-37.109375	39.062500
974	0.221918	-1.113205	-1.101980	244.140625	-19.531250	-39.062500
975	0.133151	-1.130423	-0.961188	248.046875	19.531250	-42.968750
976	0.167390	-0.747004	-0.639213	248.046875	89.843750	11.718750
977	0.175434	-0.385702	-0.483528	-42.968750	105.468750	54.687500
978	0.155261	-0.618921	-0.390117	-185.546875	29.296875	37.109375
979	-0.063094	-1.115103	-0.371570	-74.218750	56.640625	48.828125
980	-0.275356	-1.469062	-0.629192	248.046875	-148.437500	74.218750
981	-0.077714	-0.950187	-0.521265	248.046875	-154.296875	13.671875
982	0.065872	-0.088862	-0.225259	248.046875	-19.531250	54.687500
983	0.114523	0.427933	0.108595	21.484375	1.953125	23.437500
984	0.062464	0.413010	0.352657	-128.906250	15.625000	5.859375
985	-0.012522	0.179056	0.499094	-97.656250	-3.906250	-1.953125
986	-0.070013	-0.030067	0.593206	-138.671875	-25.390625	5.859375
987	-0.060758	-0.018040	0.474674	-216.796875	-42.968750	13.671875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
988	-0.073955	-0.304574	0.247304	-250.000000	-31.250000	19.531250
989	-0.100623	-0.576494	-0.107867	-250.000000	-39.062500	-19.531250
990	0.164626	-0.795897	-0.489720	-250.000000	29.296875	-123.046875
991	0.248776	-0.590038	-0.856332	-210.937500	29.296875	-11.718750
992	0.243015	-0.860273	-1.070049	-62.500000	99.609375	205.078125
993	0.314559	-0.647414	-1.054530	74.218750	-17.578125	-99.609375
994	0.319986	-0.457198	-0.995218	5.859375	1.953125	-5.859375
995	0.323241	-0.405569	-0.984631	-3.906250	0.000000	-15.625000
996	0.387695	-0.343341	-0.959528	5.859375	0.000000	-13.671875
997	0.382617	-0.324755	-0.950717	-3.906250	-3.906250	-5.859375
998	0.367070	-0.313603	-0.945430	-1.953125	-3.906250	-7.812500
999	0.382742	-0.300662	-0.942258	1.953125	-3.906250	-13.671875
1000	0.385895	-0.286647	-0.946605	1.953125	-3.906250	-9.765625
1001	0.381537	-0.278238	-0.949213	0.000000	-3.906250	-3.906250
1002	0.385172	-0.279443	-0.950778	0.000000	-1.953125	0.000000
1003	0.387353	-0.273916	-0.951717	0.000000	-1.953125	1.953125
1004	0.382412	-0.270599	-0.952280	0.000000	-1.953125	0.000000
1005	0.371132	-0.293324	-0.944357	0.000000	-1.953125	0.000000
1006	0.372679	-0.300994	-0.941614	0.000000	-1.953125	-5.859375
1007	0.373608	-0.299347	-0.946219	1.953125	-1.953125	-5.859375
1008	0.374165	-0.292108	-0.948981	0.000000	-1.953125	-3.906250
1009	0.374499	-0.294015	-0.944389	0.000000	-1.953125	-1.953125
1010	0.368449	-0.288909	-0.941633	0.000000	-1.953125	0.000000
1011	0.371070	-0.304595	-0.946230	-1.953125	-1.953125	1.953125
1012	0.422642	-0.414007	-0.992738	23.437500	-11.718750	7.812500
1013	0.503585	-0.885904	-1.133143	134.765625	-3.906250	154.296875
1014	0.439651	-1.244043	-1.204886	248.046875	-25.390625	72.265625
1015	0.276291	-0.933926	-0.879181	248.046875	-7.812500	35.156250
1016	0.134524	-0.385355	-0.352509	210.937500	66.406250	-21.484375
1017	0.149465	-0.199963	-0.255255	-140.625000	70.312500	-3.906250
1018	0.108429	-0.576228	-0.515653	-250.000000	66.406250	105.468750
1019	-0.197443	-1.145737	-0.590642	-19.531250	-7.812500	27.343750
1020	-0.180966	-1.487442	-1.073135	248.046875	-181.640625	42.968750
1021	0.116421	-0.704965	-0.800131	248.046875	-119.140625	101.562500
1022	0.201102	0.052021	-0.355079	142.578125	-15.625000	103.515625
1023	0.201911	0.287463	0.080703	-21.484375	-13.671875	17.578125
1024	0.158647	0.234978	0.379672	-64.453125	-15.625000	44.921875
1025	0.132688	0.159737	0.540303	-87.890625	-5.859375	52.734375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1026	0.079613	0.064592	0.686682	-152.343750	-9.765625	-13.671875
1027	0.060268	-0.023745	0.649509	-250.000000	-27.343750	72.265625
1028	0.004911	-0.120497	0.452205	-250.000000	52.734375	70.312500
1029	-0.084554	-0.353548	0.108823	-250.000000	35.156250	37.109375
1030	0.080518	-0.705879	-0.378456	-250.000000	109.375000	-80.078125
1031	0.073311	-0.904777	-0.858324	-246.093750	216.796875	-130.859375
1032	0.337736	-0.736616	-1.089994	-123.046875	-44.921875	169.921875
1033	0.358892	-0.685720	-1.060247	5.859375	7.812500	21.484375
1034	0.346585	-0.486432	-1.023648	7.812500	-5.859375	-11.718750
1035	0.320451	-0.379359	-0.995439	-21.484375	9.765625	-3.906250
1036	0.323521	-0.371365	-0.997263	-9.765625	-1.953125	11.718750
1037	0.350362	-0.304069	-0.979608	9.765625	-1.953125	-23.437500
1038	0.341467	-0.263692	-0.975265	-1.953125	-3.906250	-3.906250
1039	0.342380	-0.251965	-0.972659	0.000000	-3.906250	-7.812500
1040	0.342928	-0.244929	-0.971095	0.000000	-3.906250	-5.859375
1041	0.337007	-0.234457	-0.976407	1.953125	-1.953125	-5.859375
1042	0.339704	-0.228174	-0.979594	0.000000	0.000000	-1.953125
1043	0.341323	-0.230655	-0.975257	0.000000	0.000000	1.953125
1044	0.336044	-0.232143	-0.972654	0.000000	0.000000	0.000000
1045	0.339126	-0.233036	-0.971092	0.000000	0.000000	1.953125
1046	0.333057	-0.239246	-0.968755	-1.953125	-1.953125	0.000000
1047	0.337334	-0.243548	-0.968753	-1.953125	-1.953125	0.000000
1048	0.333651	-0.239879	-0.968752	-1.953125	-1.953125	0.000000
1049	0.331440	-0.237677	-0.968751	0.000000	-1.953125	0.000000
1050	0.330114	-0.236356	-0.968751	0.000000	0.000000	0.000000
1051	0.329319	-0.235564	-0.975000	-1.953125	0.000000	1.953125
1052	0.335091	-0.241338	-0.972500	0.000000	-1.953125	0.000000
1053	0.363555	-0.269803	-0.983500	9.765625	-15.625000	5.859375
1054	0.461883	-0.630632	-1.083850	70.312500	-42.968750	72.265625
1055	0.439630	-1.003379	-1.106560	248.046875	5.859375	31.250000
1056	0.313778	-1.027027	-0.951436	248.046875	35.156250	-17.578125
1057	0.119517	-0.766216	-0.627112	248.046875	78.125000	37.109375
1058	0.096710	-0.297230	-0.388767	52.734375	68.359375	134.765625
1059	0.083026	-0.459588	-0.495760	-212.890625	126.953125	21.484375
1060	-0.143934	-1.075753	-0.628706	-130.859375	9.765625	11.718750
1061	-0.123861	-1.232952	-1.177224	248.046875	-197.265625	58.593750
1062	0.119434	-0.296021	-0.756334	248.046875	-41.015625	-37.109375
1063	0.102910	0.041137	-0.266301	31.250000	3.906250	103.515625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1064	0.030496	0.087182	0.165220	-25.390625	-21.484375	-9.765625
1065	-0.019202	-0.016441	0.499132	-41.015625	-31.250000	3.906250
1066	-0.042771	-0.034864	0.624479	-76.171875	-58.593750	39.062500
1067	0.024337	-0.033419	0.662187	-109.375000	-60.546875	-25.390625
1068	0.039602	0.017449	0.591062	-216.796875	-37.109375	39.062500
1069	0.055011	-0.064531	0.329637	-250.000000	37.109375	44.921875
1070	-0.010743	-0.401218	-0.033468	-250.000000	101.562500	0.000000
1071	0.062304	-0.703231	-0.457581	-250.000000	5.859375	-64.453125
1072	0.068632	-0.921939	-0.843298	-175.781250	105.468750	-66.406250
1073	0.328679	-0.821913	-1.024729	-5.859375	91.796875	78.125000
1074	0.359708	-0.755648	-0.989837	3.906250	0.000000	13.671875
1075	0.334575	-0.534639	-0.962652	5.859375	-7.812500	-68.359375
1076	0.313245	-0.433283	-0.952591	-17.578125	-1.953125	-15.625000
1077	0.344197	-0.397470	-0.959055	1.953125	0.000000	-15.625000
1078	0.369018	-0.325982	-0.950433	1.953125	-3.906250	-11.718750
1079	0.358911	-0.301839	-0.951510	0.000000	-3.906250	-7.812500
1080	0.365347	-0.281104	-0.952156	0.000000	-3.906250	-11.718750
1081	0.369208	-0.262412	-0.958794	0.000000	-1.953125	-7.812500
1082	0.377775	-0.238697	-0.962776	-1.953125	0.000000	0.000000
1083	0.376665	-0.249468	-0.958916	-3.906250	0.000000	9.765625
1084	0.369749	-0.262181	-0.956599	-1.953125	0.000000	3.906250
1085	0.378099	-0.257309	-0.955210	0.000000	0.000000	0.000000
1086	0.369904	-0.260779	-0.954646	0.000000	0.000000	0.000000
1087	0.365692	-0.262718	-0.954037	0.000000	-1.953125	-1.953125
1088	0.369415	-0.263881	-0.953672	-1.953125	-1.953125	-1.953125
1089	0.371649	-0.258328	-0.953453	-1.953125	0.000000	-1.953125
1090	0.372990	-0.261247	-0.953322	-1.953125	0.000000	-1.953125
1091	0.373794	-0.262998	-0.953243	0.000000	0.000000	0.000000
1092	0.374276	-0.270299	-0.953196	-1.953125	-1.953125	0.000000
1093	0.437066	-0.437179	-1.059418	-11.718750	-48.828125	5.859375
1094	0.524739	-0.837308	-1.198151	160.156250	-39.062500	1.953125
1095	0.483594	-1.002385	-0.993890	248.046875	-5.859375	5.859375
1096	0.327656	-0.876431	-0.640084	248.046875	68.359375	39.062500
1097	0.190344	-0.588358	-0.534051	78.125000	115.234375	101.562500
1098	0.157956	-0.840515	-0.745430	-154.296875	78.125000	39.062500
1099	-0.092726	-1.304309	-1.116008	248.046875	-54.687500	164.062500
1100	0.119364	-0.701335	-1.257105	248.046875	-207.031250	136.718750
1101	0.334119	0.204199	-0.735513	222.656250	-37.109375	60.546875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1102	0.256721	0.347519	-0.166308	7.812500	17.578125	27.343750
1103	0.154033	0.183512	0.281465	-17.578125	7.812500	13.671875
1104	0.029920	0.110107	0.525129	0.000000	5.859375	41.015625
1105	0.030452	0.184814	0.596328	-3.906250	-33.203125	5.859375
1106	0.055771	0.279638	0.564047	-164.062500	-37.109375	54.687500
1107	-0.004037	0.067783	0.450928	-250.000000	42.968750	52.734375
1108	-0.021172	-0.196830	0.126807	-250.000000	80.078125	-41.015625
1109	-0.031453	-0.530598	-0.148916	-250.000000	117.187500	-13.671875
1110	0.056128	-0.749609	-0.589350	-250.000000	19.531250	-46.875000
1111	0.208677	-0.987265	-1.003610	-130.859375	113.281250	5.859375
1112	0.262706	-1.123609	-1.064666	-68.359375	44.921875	169.921875
1113	0.276374	-0.780416	-1.013800	62.500000	-11.718750	-89.843750
1114	0.303324	-0.524499	-0.977030	0.000000	-3.906250	-27.343750
1115	0.331995	-0.433450	-0.967468	-13.671875	1.953125	19.531250
1116	0.349197	-0.378820	-0.955481	0.000000	-1.953125	-1.953125
1117	0.353268	-0.339792	-0.954538	0.000000	-3.906250	-17.578125
1118	0.349461	-0.303875	-0.960223	1.953125	-5.859375	-7.812500
1119	0.347176	-0.282325	-0.957384	0.000000	-1.953125	-5.859375
1120	0.352056	-0.275645	-0.961930	0.000000	-1.953125	-3.906250
1121	0.354984	-0.271637	-0.958408	0.000000	-1.953125	-3.906250
1122	0.350490	-0.269232	-0.956295	-1.953125	-1.953125	3.906250
1123	0.354044	-0.267789	-0.955027	-1.953125	-1.953125	0.000000
1124	0.356176	-0.273174	-0.954266	-1.953125	0.000000	-1.953125
1125	0.351206	-0.276404	-0.953810	0.000000	0.000000	-1.953125
1126	0.328264	-0.258960	-0.965087	1.953125	0.000000	-1.953125
1127	0.321958	-0.242876	-0.966552	-3.906250	0.000000	5.859375
1128	0.318175	-0.270725	-0.967431	-1.953125	0.000000	1.953125
1129	0.322155	-0.268685	-0.967959	0.000000	-1.953125	-7.812500
1130	0.330793	-0.254961	-0.974525	0.000000	-1.953125	-3.906250
1131	0.398476	-0.409227	-1.047215	0.000000	-33.203125	13.671875
1132	0.470335	-0.895536	-1.247079	158.203125	-64.453125	35.156250
1133	0.350951	-1.274822	-1.385747	248.046875	-42.968750	9.765625
1134	0.260571	-0.789893	-1.018948	248.046875	29.296875	48.828125
1135	0.293842	-0.205186	-0.642619	171.875000	164.062500	21.484375
1136	0.188805	-0.198111	-0.710571	-246.093750	136.718750	-27.343750
1137	-0.067967	-0.918867	-0.863843	-197.265625	29.296875	1.953125
1138	-0.115780	-1.351320	-1.293306	248.046875	-189.453125	78.125000
1139	0.230532	-0.498292	-0.994733	248.046875	-136.718750	58.593750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1140	0.263319	0.219775	-0.440590	85.937500	-19.531250	89.843750
1141	0.220492	0.313115	0.079396	-31.250000	7.812500	19.531250
1142	0.126045	0.206619	0.447638	-31.250000	3.906250	1.953125
1143	0.088127	0.123971	0.612333	-11.718750	25.390625	3.906250
1144	0.002876	0.124383	0.579900	-83.984375	17.578125	41.015625
1145	-0.023274	0.093380	0.579190	-181.640625	-13.671875	-31.250000
1146	-0.082715	-0.218972	0.497514	-250.000000	66.406250	44.921875
1147	-0.162129	-0.512633	0.398508	-250.000000	62.500000	-3.906250
1148	-0.209777	-0.776330	0.207855	-228.515625	85.937500	3.906250
1149	-0.138366	-0.840798	-0.069037	-250.000000	13.671875	-115.234375
1150	-0.008020	-0.860729	-0.410172	-248.046875	85.937500	-83.984375
1151	0.207688	-0.791437	-0.789853	-138.671875	93.750000	13.671875
1152	0.343363	-0.993612	-0.898912	-50.781250	37.109375	117.187500
1153	0.337268	-0.702417	-0.901847	62.500000	-29.296875	-99.609375
1154	0.339861	-0.490200	-0.884858	-5.859375	-17.578125	-11.718750
1155	0.335166	-0.400370	-0.887165	-31.250000	-5.859375	-44.921875
1156	0.369850	-0.371472	-0.932299	-21.484375	0.000000	-13.671875
1157	0.396910	-0.385383	-0.940629	0.000000	-3.906250	3.906250
1158	0.381896	-0.331230	-0.939378	0.000000	-5.859375	-19.531250
1159	0.366638	-0.298738	-0.951127	1.953125	-3.906250	-9.765625
1160	0.369983	-0.279243	-0.951926	0.000000	-3.906250	-1.953125
1161	0.378240	-0.280046	-0.952406	-1.953125	-1.953125	-1.953125
1162	0.370694	-0.261777	-0.952693	0.000000	-1.953125	-3.906250
1163	0.366166	-0.257066	-0.952866	0.000000	-1.953125	0.000000
1164	0.369700	-0.254240	-0.952970	-1.953125	0.000000	1.953125
1165	0.365007	-0.251879	-0.959388	0.000000	-1.953125	0.000000
1166	0.362754	-0.257378	-0.956883	-1.953125	-1.953125	1.953125
1167	0.361402	-0.260677	-0.955380	-1.953125	-1.953125	0.000000
1168	0.360591	-0.262656	-0.954478	0.000000	-1.953125	0.000000
1169	0.366355	-0.288844	-0.960187	3.906250	-3.906250	-3.906250
1170	0.388563	-0.392056	-1.019862	-3.906250	-42.968750	1.953125
1171	0.451888	-0.772734	-1.224417	150.390625	-41.015625	56.640625
1172	0.346133	-1.094890	-1.253400	248.046875	-48.828125	37.109375
1173	0.276430	-0.894434	-0.939540	248.046875	-9.765625	-13.671875
1174	0.203358	-0.492910	-0.488724	248.046875	85.937500	7.812500
1175	0.222015	-0.176996	-0.268234	41.015625	132.812500	-27.343750
1176	0.139459	-0.337448	-0.385941	-250.000000	99.609375	-13.671875
1177	-0.072575	-1.002469	-0.450314	-177.734375	-1.953125	-87.890625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1178	-0.274795	-1.401481	-0.951439	248.046875	-83.984375	111.328125
1179	0.003873	-0.884639	-0.770863	248.046875	-214.843750	89.843750
1180	0.158574	0.081717	-0.393768	216.796875	-46.875000	80.078125
1181	0.157644	0.374030	0.007489	-3.906250	-1.953125	17.578125
1182	0.100837	0.349418	0.379494	-13.671875	-1.953125	-3.906250
1183	0.060502	0.340901	0.615196	-9.765625	-5.859375	-1.953125
1184	0.055051	0.342040	0.744118	-7.812500	-7.812500	-15.625000
1185	0.033031	0.336474	0.815221	-15.625000	-3.906250	-9.765625
1186	0.044818	0.295635	0.795382	-25.390625	0.000000	9.765625
1187	0.070641	0.283631	0.720979	-83.984375	5.859375	1.953125
1188	0.036135	0.113928	0.720088	-167.968750	-3.906250	-50.781250
1189	-0.034569	-0.000393	0.557053	-250.000000	46.875000	5.859375
1190	-0.058242	-0.212736	0.171732	-250.000000	87.890625	-33.203125
1191	0.008805	-0.608891	-0.153211	-250.000000	29.296875	-109.375000
1192	0.080283	-0.771585	-0.541927	-250.000000	29.296875	-56.640625
1193	0.254420	-0.844201	-0.918906	-146.484375	39.062500	-29.296875
1194	0.315152	-0.950271	-0.976344	-31.250000	60.546875	103.515625
1195	0.351591	-0.657662	-0.967056	60.546875	-23.437500	-83.984375
1196	0.348455	-0.482097	-0.936484	-13.671875	-1.953125	13.671875
1197	0.346573	-0.433008	-0.949390	-13.671875	-1.953125	-11.718750
1198	0.376694	-0.391055	-0.938384	9.765625	-5.859375	-23.437500
1199	0.382266	-0.340883	-0.938030	0.000000	-5.859375	-15.625000
1200	0.373110	-0.317030	-0.944068	1.953125	-3.906250	-7.812500
1201	0.380116	-0.315218	-0.947691	0.000000	-1.953125	0.000000
1202	0.384320	-0.314131	-0.937365	9.765625	-3.906250	-15.625000
1203	0.380592	-0.288478	-0.937419	0.000000	0.000000	-3.906250
1204	0.384605	-0.298087	-0.937451	-1.953125	3.906250	5.859375
1205	0.387013	-0.303852	-0.937471	-1.953125	1.953125	5.859375
1206	0.382208	-0.307311	-0.931232	-3.906250	1.953125	5.859375
1207	0.378270	-0.336156	-0.916078	-1.953125	-1.953125	1.953125
1208	0.376962	-0.345444	-0.918397	1.953125	-5.859375	-13.671875
1209	0.376177	-0.338516	-0.926038	0.000000	-5.859375	-9.765625
1210	0.375706	-0.340610	-0.930623	-1.953125	-3.906250	-3.906250
1211	0.369174	-0.335616	-0.933374	1.953125	-3.906250	-11.718750
1212	0.377754	-0.320120	-0.935024	0.000000	-3.906250	-7.812500
1213	0.376653	-0.323322	-0.936015	-1.953125	-3.906250	-3.906250
1214	0.394742	-0.387743	-0.974109	-1.953125	-15.625000	0.000000
1215	0.486845	-0.751396	-1.128215	87.890625	-56.640625	23.437500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1216	0.360857	-1.250837	-1.333179	248.046875	-62.500000	58.593750
1217	0.204014	-1.006752	-1.243657	248.046875	-39.062500	-9.765625
1218	0.228659	-0.204051	-0.677444	248.046875	13.671875	107.421875
1219	0.274695	0.027569	-0.475217	-74.218750	152.343750	-66.406250
1220	0.077317	-0.358459	-0.628880	-250.000000	128.906250	-83.984375
1221	-0.247360	-1.015075	-0.446078	-99.609375	3.906250	-44.921875
1222	-0.417166	-1.409045	-0.748897	248.046875	-162.109375	52.734375
1223	-0.062800	-0.720427	-0.674338	248.046875	-144.531250	35.156250
1224	0.143570	0.236494	-0.323353	136.718750	-11.718750	105.468750
1225	0.136142	0.335646	0.049738	-35.156250	15.625000	42.968750
1226	0.081685	0.357638	0.386093	-9.765625	1.953125	3.906250
1227	0.061511	0.352083	0.606656	-5.859375	-1.953125	7.812500
1228	0.055657	0.311250	0.670243	-21.484375	-3.906250	23.437500
1229	0.070894	0.311750	0.652146	-68.359375	-27.343750	35.156250
1230	0.136286	0.305800	0.647538	-152.343750	9.765625	1.953125
1231	0.106772	0.145980	0.501023	-250.000000	132.812500	3.906250
1232	-0.042187	-0.124912	0.131864	-250.000000	187.500000	-107.421875
1233	-0.100312	-0.562447	-0.333382	-250.000000	138.671875	-164.062500
1234	-0.010187	-0.774968	-0.931279	-250.000000	-41.015625	-89.843750
1235	0.175138	-0.927481	-1.240017	1.953125	152.343750	-17.578125
1236	0.311333	-0.825239	-1.112760	48.828125	-23.437500	-93.750000
1237	0.343050	-0.513893	-1.036406	7.812500	-15.625000	-15.625000
1238	0.337080	-0.427086	-0.996844	-7.812500	5.859375	-1.953125
1239	0.383498	-0.381252	-0.966856	9.765625	0.000000	-19.531250
1240	0.398849	-0.347501	-0.948864	-1.953125	-3.906250	-5.859375
1241	0.383059	-0.327251	-0.944318	0.000000	-3.906250	-1.953125
1242	0.379836	-0.321350	-0.941591	1.953125	-3.906250	-9.765625
1243	0.390401	-0.305310	-0.939955	3.906250	-3.906250	-11.718750
1244	0.390491	-0.295686	-0.945223	0.000000	-3.906250	-5.859375
1245	0.390544	-0.296162	-0.942134	0.000000	0.000000	-1.953125
1246	0.390577	-0.296447	-0.940280	0.000000	0.000000	0.000000
1247	0.390596	-0.296618	-0.932918	-1.953125	0.000000	0.000000
1248	0.384358	-0.302971	-0.934751	0.000000	0.000000	-1.953125
1249	0.382802	-0.304759	-0.928750	0.000000	0.000000	5.859375
1250	0.385931	-0.314106	-0.932250	1.953125	0.000000	-1.953125
1251	0.394059	-0.325963	-0.940600	0.000000	0.000000	0.000000
1252	0.423935	-0.526828	-1.033110	-11.718750	-60.546875	-19.531250
1253	0.498111	-1.072347	-1.419866	191.406250	-146.484375	-78.125000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1254	0.367617	-1.168408	-1.476920	248.046875	0.000000	-62.500000
1255	0.320570	-0.463545	-0.998652	248.046875	119.140625	11.718750
1256	0.192342	-0.009377	-0.780441	-21.484375	248.046875	-119.140625
1257	-0.228345	-0.805626	-1.030765	-250.000000	-13.671875	78.125000
1258	-0.137007	-1.170876	-1.268459	248.046875	-232.421875	101.562500
1259	0.186546	-0.152525	-0.879825	248.046875	-66.406250	33.203125
1260	0.136928	0.314735	-0.290395	68.359375	-11.718750	66.406250
1261	0.113407	0.395091	0.150763	-5.859375	-13.671875	33.203125
1262	0.086794	0.393305	0.452958	-9.765625	3.906250	15.625000
1263	0.033326	0.398483	0.659275	-5.859375	1.953125	3.906250
1264	0.032496	0.370340	0.758065	-13.671875	-5.859375	9.765625
1265	0.025747	0.347204	0.761089	-31.250000	-1.953125	11.718750
1266	0.015448	0.333322	0.712903	-85.937500	-5.859375	31.250000
1267	0.040519	0.293743	0.640242	-166.015625	25.390625	-29.296875
1268	-0.019439	0.082496	0.427895	-250.000000	83.984375	-56.640625
1269	-0.117913	-0.350502	0.037987	-250.000000	89.843750	-78.125000
1270	0.029252	-0.822801	-0.270958	-250.000000	-17.578125	-97.656250
1271	0.092551	-0.899931	-0.675075	-250.000000	58.593750	115.234375
1272	0.155531	-0.846209	-1.036295	-60.546875	156.250000	-154.296875
1273	0.349568	-1.007725	-1.034277	-7.812500	-15.625000	42.968750
1274	0.372241	-0.585885	-0.989316	54.687500	-17.578125	-31.250000
1275	0.379595	-0.439031	-0.949840	-17.578125	0.000000	-5.859375
1276	0.396507	-0.413419	-0.951154	-1.953125	0.000000	-13.671875
1277	0.406654	-0.335551	-0.939442	1.953125	-7.812500	-3.906250
1278	0.393992	-0.313831	-0.938665	-1.953125	-3.906250	-3.906250
1279	0.392645	-0.294548	-0.944449	0.000000	-1.953125	-7.812500
1280	0.398087	-0.270479	-0.947920	0.000000	-1.953125	-3.906250
1281	0.395102	-0.256037	-0.950002	-3.906250	-1.953125	3.906250
1282	0.393311	-0.259872	-0.951251	-3.906250	0.000000	3.906250
1283	0.392237	-0.255923	-0.952001	-1.953125	0.000000	1.953125
1284	0.391592	-0.259804	-0.952450	-3.906250	0.000000	3.906250
1285	0.391205	-0.262132	-0.952720	-1.953125	0.000000	0.000000
1286	0.383025	-0.265615	-0.952511	-1.953125	-1.953125	0.000000
1287	0.386065	-0.284369	-0.959007	-1.953125	-5.859375	0.000000
1288	0.419139	-0.483121	-1.044154	-17.578125	-62.500000	-3.906250
1289	0.401483	-1.064873	-1.413992	228.515625	-70.312500	-27.343750
1290	0.372140	-1.095174	-1.354645	248.046875	-64.453125	-15.625000
1291	0.310784	-0.525854	-0.862787	248.046875	78.125000	-31.250000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1292	0.286470	-0.121763	-0.586422	25.390625	195.312500	-72.265625
1293	0.053132	-0.866808	-0.851853	-250.000000	68.359375	-46.875000
1294	-0.149371	-1.320085	-1.192362	248.046875	-189.453125	146.484375
1295	0.216628	-0.742051	-1.027917	248.046875	-183.593750	70.312500
1296	0.323727	0.192270	-0.548000	197.265625	-1.953125	132.812500
1297	0.225486	0.471612	-0.066300	-17.578125	15.625000	44.921875
1298	0.110292	0.464217	0.303970	-15.625000	-1.953125	-1.953125
1299	0.066175	0.441030	0.563632	-5.859375	-5.859375	-3.906250
1300	0.045955	0.408368	0.713179	1.953125	-1.953125	-1.953125
1301	0.040073	0.395021	0.777907	0.000000	-9.765625	-1.953125
1302	0.061544	0.412013	0.766744	-13.671875	-19.531250	-11.718750
1303	0.068176	0.453458	0.710047	-95.703125	3.906250	15.625000
1304	0.072156	0.322075	0.619778	-222.656250	3.906250	-35.156250
1305	0.037043	-0.000505	0.453117	-250.000000	83.984375	1.953125
1306	-0.009024	-0.425303	0.371870	-250.000000	50.781250	-107.421875
1307	-0.024164	-0.861432	0.279372	-189.453125	87.890625	-37.109375
1308	-0.083249	-0.973109	0.223873	-125.000000	74.218750	-21.484375
1309	-0.018699	-0.933865	0.071824	-132.812500	7.812500	-87.890625
1310	0.101280	-0.941569	-0.163156	-156.250000	9.765625	-72.265625
1311	0.204518	-0.896192	-0.391643	-183.593750	9.765625	1.953125
1312	0.303961	-0.912715	-0.659986	-125.000000	76.171875	74.218750
1313	0.288627	-0.835129	-0.770992	-5.859375	-1.953125	-95.703125
1314	0.316926	-0.601077	-0.812595	3.906250	-21.484375	-42.968750
1315	0.327656	-0.491896	-0.850057	-5.859375	0.000000	-17.578125
1316	0.365343	-0.432638	-0.878784	3.906250	0.000000	-9.765625
1317	0.387956	-0.397083	-0.896021	-1.953125	0.000000	1.953125
1318	0.395274	-0.382000	-0.900112	-1.953125	0.000000	-1.953125
1319	0.387164	-0.379200	-0.902567	-3.906250	1.953125	0.000000
1320	0.394798	-0.377520	-0.910290	1.953125	0.000000	-3.906250
1321	0.405629	-0.364012	-0.908674	-1.953125	0.000000	0.000000
1322	0.400003	-0.346198	-0.907607	-1.953125	-1.953125	0.000000
1323	0.396252	-0.345219	-0.907064	-1.953125	-1.953125	-1.953125
1324	0.394001	-0.350881	-0.912988	-1.953125	-1.953125	0.000000
1325	0.398901	-0.348029	-0.910293	0.000000	-1.953125	0.000000
1326	0.401840	-0.352567	-0.908676	0.000000	0.000000	-1.953125
1327	0.409854	-0.380290	-0.913955	0.000000	-3.906250	-3.906250
1328	0.439663	-0.603174	-0.979623	-5.859375	-64.453125	-17.578125
1329	0.526298	-1.080655	-1.206524	195.312500	-85.937500	-37.109375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1330	0.453279	-1.160893	-1.155164	248.046875	0.000000	-52.734375
1331	0.303217	-0.734036	-0.768099	248.046875	107.421875	27.343750
1332	0.294430	-0.221671	-0.373359	115.234375	189.453125	-33.203125
1333	0.070408	-0.883003	-0.930266	-250.000000	183.593750	7.812500
1334	-0.245255	-1.329802	-1.214409	248.046875	-183.593750	97.656250
1335	0.046597	-0.691631	-1.103646	248.046875	-173.828125	31.250000
1336	0.115458	0.160021	-0.587187	173.828125	3.906250	103.515625
1337	0.081775	0.533513	-0.089812	0.000000	9.765625	44.921875
1338	0.017815	0.476358	0.308613	-33.203125	0.000000	5.859375
1339	-0.014311	0.404565	0.560168	0.000000	-3.906250	-9.765625
1340	-0.008587	0.405239	0.686101	-11.718750	-1.953125	9.765625
1341	0.007348	0.336893	0.667910	-44.921875	-17.578125	-7.812500
1342	-0.026841	0.283386	0.556996	-152.343750	23.437500	25.390625
1343	-0.072355	0.151282	0.277948	-250.000000	82.031250	54.687500
1344	-0.293413	-0.265481	0.054269	-250.000000	210.937500	-95.703125
1345	-0.238548	-0.840539	-0.098689	-250.000000	25.390625	-201.171875
1346	-0.005629	-1.029323	-0.290463	-226.562500	54.687500	-185.546875
1347	0.259123	-1.142594	-0.705528	-234.375000	72.265625	248.046875
1348	0.142974	-0.991806	-0.842067	-39.062500	105.468750	25.390625
1349	0.317034	-0.801334	-0.898990	41.015625	-39.062500	-99.609375
1350	0.352721	-0.568300	-0.895644	0.000000	-9.765625	3.906250
1351	0.361632	-0.472230	-0.912386	-1.953125	-3.906250	-15.625000
1352	0.385729	-0.402088	-0.916182	0.000000	-1.953125	-7.812500
1353	0.393938	-0.366253	-0.924709	-3.906250	-3.906250	-5.859375
1354	0.386363	-0.344752	-0.923575	-1.953125	-1.953125	-3.906250
1355	0.388068	-0.331851	-0.922895	-1.953125	0.000000	-1.953125
1356	0.389091	-0.330361	-0.922487	-1.953125	-1.953125	0.000000
1357	0.383454	-0.323216	-0.928492	-1.953125	-1.953125	-1.953125
1358	0.386323	-0.318930	-0.932095	-1.953125	-1.953125	-1.953125
1359	0.381794	-0.316358	-0.934257	0.000000	-1.953125	-1.953125
1360	0.385326	-0.308565	-0.935554	0.000000	-1.953125	-1.953125
1361	0.375099	-0.328222	-0.924614	0.000000	-1.953125	-1.953125
1362	0.375059	-0.334433	-0.923518	0.000000	-1.953125	0.000000
1363	0.375036	-0.338160	-0.922861	-1.953125	-1.953125	0.000000
1364	0.375021	-0.340396	-0.928717	0.000000	-1.953125	-1.953125
1365	0.375013	-0.341738	-0.932230	0.000000	-1.953125	0.000000
1366	0.375008	-0.342543	-0.928088	1.953125	-1.953125	-1.953125
1367	0.375005	-0.349276	-0.925603	0.000000	-1.953125	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1368	0.381253	-0.403315	-0.961612	0.000000	-9.765625	1.953125
1369	0.403752	-0.673239	-1.064467	-9.765625	-105.468750	-54.687500
1370	0.329751	-1.203944	-1.338680	212.890625	-87.890625	-115.234375
1371	0.354101	-1.178616	-1.278208	248.046875	21.484375	-35.156250
1372	0.243710	-0.382170	-0.866925	248.046875	220.703125	-1.953125
1373	0.121226	-0.266802	-0.945155	-250.000000	189.453125	52.734375
1374	-0.296014	-0.960081	-1.048343	41.015625	-23.437500	-42.968750
1375	-0.058859	-0.932299	-1.341506	248.046875	-203.125000	5.859375
1376	0.183435	0.046871	-0.804903	248.046875	-41.015625	64.453125
1377	0.141311	0.409372	-0.276692	0.000000	7.812500	48.828125
1378	0.059787	0.370623	0.146485	-15.625000	-3.906250	9.765625
1379	0.023372	0.341124	0.469141	-3.906250	7.812500	13.671875
1380	-0.023477	0.304674	0.662735	1.953125	3.906250	3.906250
1381	-0.039086	0.264055	0.722641	-7.812500	-9.765625	23.437500
1382	-0.029702	0.277183	0.702334	-44.921875	-1.953125	35.156250
1383	0.000929	0.241310	0.690151	-93.750000	-7.812500	17.578125
1384	0.081807	0.207286	0.601590	-208.984375	5.859375	-9.765625
1385	0.055334	0.011871	0.479704	-250.000000	44.921875	-87.890625
1386	-0.060549	-0.330377	0.131573	-250.000000	158.203125	29.296875
1387	-0.130080	-0.698226	-0.258556	-250.000000	87.890625	-66.406250
1388	0.040702	-0.968936	-0.798884	-250.000000	66.406250	-144.531250
1389	0.274421	-1.118861	-1.041830	-64.453125	126.953125	115.234375
1390	0.352153	-0.990067	-1.012598	29.296875	-11.718750	-56.640625
1391	0.348792	-0.625290	-0.963809	17.578125	-17.578125	-33.203125
1392	0.340525	-0.493924	-0.965785	-13.671875	9.765625	5.859375
1393	0.385565	-0.446354	-0.948221	7.812500	7.812500	-9.765625
1394	0.400089	-0.386563	-0.931433	-3.906250	-7.812500	-9.765625
1395	0.383803	-0.350688	-0.940110	0.000000	-3.906250	-13.671875
1396	0.399032	-0.310413	-0.939066	1.953125	1.953125	-1.953125
1397	0.401919	-0.311248	-0.932189	-3.906250	-1.953125	5.859375
1398	0.397402	-0.305499	-0.934314	1.953125	-1.953125	-3.906250
1399	0.400941	-0.302049	-0.935588	0.000000	-1.953125	1.953125
1400	0.396815	-0.306229	-0.930103	-1.953125	0.000000	3.906250
1401	0.394339	-0.302488	-0.933062	0.000000	-1.953125	-3.906250
1402	0.392853	-0.300243	-0.934837	-1.953125	-1.953125	1.953125
1403	0.401919	-0.311248	-0.932189	-3.906250	-1.953125	5.859375
1404	0.397402	-0.305499	-0.934314	1.953125	-1.953125	-3.906250
1405	0.400941	-0.302049	-0.935588	0.000000	-1.953125	1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1406	0.396815	-0.306229	-0.930103	-1.953125	0.000000	3.906250
1407	0.394339	-0.302488	-0.933062	0.000000	-1.953125	-3.906250
1408	0.392853	-0.300243	-0.934837	-1.953125	-1.953125	1.953125
1409	0.391962	-0.311396	-0.929652	0.000000	-1.953125	0.000000
1410	0.397677	-0.343087	-0.957791	-1.953125	-7.812500	-1.953125
1411	0.469856	-0.774602	-1.093425	42.968750	-89.843750	15.625000
1412	0.338164	-1.264761	-1.456055	248.046875	-107.421875	21.484375
1413	0.309148	-1.015107	-1.398633	248.046875	-48.828125	11.718750
1414	0.279239	-0.146564	-0.826680	248.046875	95.703125	70.312500
1415	0.217543	0.024562	-0.646008	-220.703125	136.718750	-93.750000
1416	-0.213224	-0.785263	-0.881355	-250.000000	93.750000	-111.328125
1417	-0.240434	-1.271158	-1.328813	248.046875	-250.000000	44.921875
1418	-0.000511	0.031055	-0.997288	248.046875	-46.875000	39.062500
1419	0.012194	0.406133	-0.417123	35.156250	-25.390625	27.343750
1420	0.032316	0.474930	0.112226	0.000000	-5.859375	9.765625
1421	0.013140	0.428708	0.436086	-3.906250	11.718750	-5.859375
1422	-0.017116	0.313475	0.561652	-5.859375	15.625000	11.718750
1423	-0.047770	0.281835	0.568241	-31.250000	-46.875000	27.343750
1424	0.002588	0.319101	0.584695	-99.609375	-17.578125	44.921875
1425	0.045303	0.310211	0.513317	-250.000000	3.906250	-11.718750
1426	-0.004068	-0.107624	0.332990	-250.000000	132.812500	-9.765625
1427	-0.114941	-0.470824	0.137294	-250.000000	78.125000	-42.968750
1428	-0.093965	-0.757495	-0.098874	-250.000000	11.718750	-123.046875
1429	0.074871	-1.091997	-0.515574	-250.000000	-13.671875	-154.296875
1430	0.394923	-0.861448	-0.821844	-39.062500	169.921875	152.343750
1431	0.324454	-0.848119	-0.855607	-97.656250	72.265625	80.078125
1432	0.363422	-0.646371	-0.938364	29.296875	-25.390625	-142.578125
1433	0.361803	-0.462823	-0.919268	-17.578125	-1.953125	1.953125
1434	0.360832	-0.433944	-0.926561	-19.531250	1.953125	-7.812500
1435	0.428999	-0.404116	-0.930937	7.812500	-1.953125	-21.484375
1436	0.438650	-0.317470	-0.921062	0.000000	-7.812500	-3.906250
1437	0.425690	-0.296732	-0.927637	-3.906250	-3.906250	3.906250
1438	0.424164	-0.284289	-0.931582	0.000000	0.000000	-5.859375
1439	0.423248	-0.270573	-0.933949	-1.953125	-1.953125	-3.906250
1440	0.258893	-0.341536	-0.963922	-3.906250	0.000000	1.953125
1441	0.280336	-0.348672	-0.959603	0.000000	0.000000	0.000000
1442	0.293201	-0.340453	-0.957012	0.000000	1.953125	-7.812500
1443	0.294671	-0.329272	-0.961707	-1.953125	0.000000	-3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1444	0.301803	-0.322563	-0.958274	-3.906250	1.953125	-1.953125
1445	0.306082	-0.312288	-0.956215	-5.859375	3.906250	3.906250
1446	0.314899	-0.306123	-0.954979	-7.812500	3.906250	9.765625
1447	0.370189	-0.339924	-0.979237	-27.343750	-19.531250	41.015625
1448	0.472114	-0.610204	-1.112542	15.625000	-19.531250	52.734375
1449	0.464518	-0.866123	-1.323775	171.875000	52.734375	3.906250
1450	0.322461	-1.044674	-1.481765	248.046875	89.843750	3.906250
1451	0.174727	-0.939304	-1.357809	248.046875	83.984375	-23.437500
1452	0.061086	-0.782332	-1.033435	248.046875	56.640625	-31.250000
1453	0.055402	-0.488149	-0.670061	248.046875	1.953125	-1.953125
1454	0.164491	-0.074140	-0.420787	248.046875	-44.921875	7.812500
1455	0.367445	0.411766	-0.152472	164.062500	-37.109375	-82.031250
1456	0.395467	0.672060	0.046017	72.265625	-41.015625	-35.156250
1457	0.431030	0.809486	0.121360	33.203125	-25.390625	7.812500
1458	0.446118	0.854441	0.147816	7.812500	-11.718750	0.000000
1459	0.455171	0.862665	0.188690	-1.953125	-3.906250	1.953125
1460	0.460602	0.873849	0.225714	1.953125	-5.859375	1.953125
1461	0.470111	0.874309	0.241678	-3.906250	-7.812500	0.000000
1462	0.475817	0.874586	0.251257	-3.906250	-3.906250	-1.953125
1463	0.472990	0.862251	0.269504	-5.859375	0.000000	1.953125
1464	0.471294	0.854851	0.292953	-5.859375	-1.953125	0.000000
1465	0.476526	0.844160	0.300772	-1.953125	0.000000	-1.953125
1466	0.479666	0.837746	0.305463	3.906250	1.953125	1.953125
1467	0.494050	0.846398	0.295778	7.812500	1.953125	7.812500
1468	0.515180	0.845339	0.264967	0.000000	1.953125	19.531250
1469	0.552858	0.838453	0.240230	-9.765625	17.578125	64.453125
1470	0.625465	0.815572	0.225388	-39.062500	23.437500	115.234375
1471	0.731529	0.701843	0.203983	-68.359375	48.828125	91.796875
1472	0.763917	0.614856	0.203640	-76.171875	97.656250	89.843750
1473	0.702100	0.606414	0.215934	-130.859375	187.500000	60.546875
1474	0.408760	0.595098	-0.026690	-250.000000	248.046875	152.343750
1475	-0.098494	0.225809	-0.491014	-250.000000	248.046875	-23.437500
1476	-0.534096	-0.264515	-0.969608	-250.000000	142.578125	-85.937500
1477	-0.457958	-0.708709	-1.219265	-212.890625	101.562500	-158.203125
1478	-0.306025	-0.700225	-1.300309	-58.593750	113.281250	-169.921875
1479	0.053885	-0.557635	-1.173935	74.218750	9.765625	-103.515625
1480	0.163581	-0.397081	-1.116861	13.671875	-23.437500	-52.734375
1481	0.141899	-0.313249	-1.057617	1.953125	27.343750	1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1482	0.153889	-0.350449	-1.034570	-13.671875	-9.765625	21.484375
1483	0.173584	-0.341520	-1.008242	11.718750	-11.718750	-19.531250
1484	0.229150	-0.336162	-0.992445	5.859375	-9.765625	-35.156250
1485	0.274990	-0.314197	-0.976717	3.906250	1.953125	-23.437500
1486	0.296244	-0.326018	-0.967280	-3.906250	1.953125	-3.906250
1487	0.296496	-0.326861	-0.961618	-1.953125	5.859375	-1.953125
1488	0.290398	-0.321117	-0.958221	-3.906250	5.859375	0.000000
1489	0.292989	-0.317670	-0.956183	-1.953125	1.953125	-3.906250
1490	0.313293	-0.309352	-0.954960	-1.953125	0.000000	-5.859375
1491	0.337976	-0.304361	-0.947976	-3.906250	1.953125	5.859375
1492	0.365370	-0.298756	-0.939552	-1.953125	0.000000	-1.953125
1493	0.369222	-0.298003	-0.944981	-1.953125	0.000000	-1.953125
1494	0.371533	-0.297552	-0.948239	-3.906250	1.953125	1.953125
1495	0.372920	-0.297281	-0.943943	-7.812500	1.953125	7.812500
1496	0.392502	-0.309619	-0.947616	-3.906250	7.812500	15.625000
1497	0.398001	-0.342021	-0.956070	-1.953125	7.812500	31.250000
1498	0.420051	-0.442713	-0.986142	21.484375	-5.859375	39.062500
1499	0.414530	-0.609378	-1.060435	54.687500	-19.531250	-7.812500
1500	0.411218	-0.821877	-1.155011	107.421875	-35.156250	0.000000
1501	0.309231	-1.005626	-1.355507	242.187500	64.453125	-52.734375
1502	0.179289	-0.978376	-1.407054	248.046875	95.703125	-33.203125
1503	0.082573	-0.743275	-1.156732	248.046875	76.171875	-42.968750
1504	0.093294	-0.345965	-0.750289	248.046875	11.718750	-31.250000
1505	0.212226	-0.013829	-0.406424	248.046875	-64.453125	25.390625
1506	0.371086	0.372953	-0.106354	160.156250	-5.859375	-93.750000
1507	0.335151	0.605022	0.092437	87.890625	-31.250000	-60.546875
1508	0.382341	0.744263	0.180462	46.875000	-27.343750	-3.906250
1509	0.429405	0.802808	0.220777	21.484375	-9.765625	37.109375
1510	0.476393	0.825435	0.251216	-3.906250	-15.625000	44.921875
1511	0.498336	0.820261	0.281980	-9.765625	-15.625000	42.968750
1512	0.574001	0.810906	0.287938	-19.531250	-21.484375	33.203125
1513	0.650651	0.736544	0.279013	-11.718750	-5.859375	21.484375
1514	0.702890	0.698176	0.286158	-11.718750	11.718750	15.625000
1515	0.715484	0.693906	0.321695	-1.953125	19.531250	-3.906250
1516	0.698041	0.685093	0.349267	0.000000	9.765625	-1.953125
1517	0.731324	0.667306	0.340810	-9.765625	-1.953125	11.718750
1518	0.757545	0.644134	0.329486	-13.671875	17.578125	37.109375
1519	0.798277	0.598980	0.310192	-39.062500	25.390625	56.640625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1520	0.828966	0.565638	0.273615	-74.218750	39.062500	64.453125
1521	0.834880	0.464383	0.245419	-97.656250	160.156250	62.500000
1522	0.625928	0.384880	0.228501	-158.203125	248.046875	42.968750
1523	0.206807	0.199678	0.037101	-250.000000	248.046875	42.968750
1524	-0.238416	-0.286443	-0.158989	-250.000000	226.562500	-250.000000
1525	-0.255550	-0.509366	-0.589144	-250.000000	-37.109375	-113.281250
1526	-0.053330	-0.849370	-1.015986	-250.000000	41.015625	-130.859375
1527	0.018002	-0.859622	-1.178342	-113.281250	3.906250	-87.890625
1528	0.217051	-0.697023	-1.138255	46.875000	-15.625000	-74.218750
1529	0.248981	-0.449464	-1.057953	15.625000	7.812500	-25.390625
1530	0.236888	-0.382178	-1.041022	3.906250	19.531250	11.718750
1531	0.210883	-0.323057	-1.018363	3.906250	3.906250	-5.859375
1532	0.220280	-0.312584	-0.998518	-7.812500	-7.812500	5.859375
1533	0.232168	-0.312551	-0.992861	-5.859375	-5.859375	3.906250
1534	0.258051	-0.312530	-0.989466	-3.906250	-7.812500	-7.812500
1535	0.279830	-0.312518	-0.981180	0.000000	0.000000	-9.765625
1536	0.280398	-0.306261	-0.982458	-1.953125	1.953125	-3.906250
1537	0.268239	-0.296257	-0.983225	0.000000	3.906250	0.000000
1538	0.267193	-0.284004	-0.983685	-1.953125	1.953125	0.000000
1539	0.279066	-0.282902	-0.983961	-1.953125	1.953125	1.953125
1540	0.292440	-0.282241	-0.977877	-3.906250	3.906250	3.906250
1541	0.280398	-0.306261	-0.982458	-1.953125	1.953125	-3.906250
1542	0.268239	-0.296257	-0.983225	0.000000	3.906250	0.000000
1543	0.267193	-0.284004	-0.983685	-1.953125	1.953125	0.000000
1544	0.279066	-0.282902	-0.983961	-1.953125	1.953125	1.953125
1545	0.292440	-0.282241	-0.977877	-3.906250	3.906250	3.906250
1546	0.306714	-0.288095	-0.974226	-5.859375	7.812500	7.812500
1547	0.327778	-0.316607	-0.984536	-1.953125	9.765625	29.296875
1548	0.396667	-0.458714	-1.028221	11.718750	11.718750	62.500000
1549	0.425500	-0.668978	-1.123183	91.796875	19.531250	27.343750
1550	0.355300	-0.882637	-1.273910	187.500000	23.437500	0.000000
1551	0.231930	-1.060832	-1.395596	248.046875	19.531250	-42.968750
1552	0.126658	-0.961499	-1.324857	248.046875	27.343750	-42.968750
1553	0.107245	-0.614400	-1.001164	248.046875	-15.625000	-25.390625
1554	0.183097	-0.187390	-0.619449	248.046875	-39.062500	1.953125
1555	0.403608	0.231316	-0.290419	167.968750	-35.156250	-130.859375
1556	0.423415	0.438790	-0.024252	95.703125	-37.109375	-78.125000
1557	0.410299	0.625774	0.135449	99.609375	-15.625000	-21.484375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1558	0.483679	0.787964	0.200019	42.968750	-19.531250	9.765625
1559	0.502708	0.816529	0.251262	-3.906250	-5.859375	13.671875
1560	0.501625	0.827417	0.263257	5.859375	-3.906250	5.859375
1561	0.513475	0.840200	0.276704	5.859375	3.906250	15.625000
1562	0.526835	0.822870	0.284773	0.000000	-5.859375	0.000000
1563	0.541101	0.818722	0.289614	-5.859375	-9.765625	-5.859375
1564	0.543411	0.816233	0.286268	-5.859375	-5.859375	0.000000
1565	0.551046	0.814740	0.284261	-3.906250	-3.906250	0.000000
1566	0.555628	0.813844	0.283057	-5.859375	-3.906250	-1.953125
1567	0.558377	0.813306	0.288584	-1.953125	0.000000	3.906250
1568	0.566276	0.806734	0.285650	0.000000	0.000000	1.953125
1569	0.571016	0.802790	0.283890	0.000000	1.953125	1.953125
1570	0.580109	0.800424	0.276584	1.953125	3.906250	3.906250
1571	0.591816	0.799005	0.278450	0.000000	5.859375	9.765625
1572	0.605089	0.791903	0.279570	-1.953125	3.906250	5.859375
1573	0.613054	0.781392	0.280242	-1.953125	7.812500	5.859375
1574	0.624082	0.768835	0.280645	-7.812500	7.812500	21.484375
1575	0.643199	0.767551	0.280887	-7.812500	13.671875	48.828125
1576	0.717170	0.691781	0.274782	-19.531250	23.437500	62.500000
1577	0.805302	0.608818	0.252369	7.812500	89.843750	39.062500
1578	0.689431	0.671541	0.257672	-48.828125	156.250000	-11.718750
1579	0.538659	0.802925	0.160853	-224.609375	158.203125	-64.453125
1580	0.291945	0.556755	-0.159738	-250.000000	212.890625	-52.734375
1581	-0.074833	0.046553	-0.720843	-250.000000	154.296875	-74.218750
1582	-0.182400	-0.609568	-1.107506	-250.000000	-13.671875	-250.000000
1583	0.159310	-0.846991	-1.333253	-250.000000	-107.421875	-177.734375
1584	0.251836	-0.845695	-1.368702	-64.453125	70.312500	140.625000
1585	0.294852	-0.676167	-1.202471	41.015625	-23.437500	-39.062500
1586	0.258161	-0.511950	-1.121483	17.578125	1.953125	-31.250000
1587	0.204897	-0.419670	-1.072890	0.000000	25.390625	25.390625
1588	0.185438	-0.383052	-1.037484	-9.765625	-9.765625	-9.765625
1589	0.217513	-0.361081	-1.016240	-5.859375	-15.625000	-5.859375
1590	0.261758	-0.354149	-0.997244	-5.859375	-1.953125	1.953125
1591	0.263305	-0.349989	-0.985846	-1.953125	-1.953125	-3.906250
1592	0.239233	-0.328744	-0.979008	0.000000	3.906250	-3.906250
1593	0.224790	-0.322246	-0.981155	-1.953125	0.000000	-3.906250
1594	0.228624	-0.318348	-0.982443	-1.953125	0.000000	0.000000
1595	0.237174	-0.316009	-0.983216	-1.953125	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1596	0.248555	-0.308355	-0.977429	-3.906250	1.953125	1.953125
1597	0.249133	-0.310013	-0.973958	-3.906250	3.906250	1.953125
1598	0.282759	-0.313903	-0.954982	0.000000	-1.953125	0.000000
1599	0.282155	-0.319592	-0.960489	-1.953125	0.000000	0.000000
1600	0.281793	-0.316755	-0.963793	-1.953125	0.000000	0.000000
1601	0.287826	-0.315053	-0.965776	-1.953125	0.000000	1.953125
1602	0.291446	-0.320282	-0.966966	-1.953125	0.000000	0.000000
1603	0.299867	-0.317169	-0.967679	0.000000	3.906250	1.953125
1604	0.348670	-0.346551	-0.974358	-1.953125	0.000000	9.765625
1605	0.452952	-0.489181	-1.040865	5.859375	9.765625	27.343750
1606	0.471771	-0.674759	-1.137019	105.468750	29.296875	9.765625
1607	0.414313	-0.873605	-1.213461	181.640625	41.015625	13.671875
1608	0.292338	-1.024163	-1.259327	248.046875	52.734375	-41.015625
1609	0.212903	-1.033248	-1.211846	248.046875	56.640625	-46.875000
1610	0.133992	-0.744949	-0.977108	248.046875	68.359375	-31.250000
1611	0.155395	-0.259469	-0.636265	248.046875	11.718750	13.671875
1612	0.355737	0.313068	-0.344259	173.828125	-13.671875	13.671875
1613	0.400942	0.519091	-0.056555	87.890625	-37.109375	-68.359375
1614	0.440565	0.686455	0.116067	72.265625	-9.765625	-41.015625
1615	0.445589	0.755623	0.188390	33.203125	-11.718750	3.906250
1616	0.467354	0.790874	0.244284	17.578125	-15.625000	0.000000
1617	0.467912	0.862024	0.265320	9.765625	-5.859375	1.953125
1618	0.474497	0.860965	0.271692	1.953125	-3.906250	1.953125
1619	0.472198	0.854079	0.281765	-1.953125	-5.859375	-1.953125
1620	0.464569	0.862447	0.281559	3.906250	1.953125	0.000000
1621	0.466241	0.867468	0.287686	0.000000	0.000000	3.906250
1622	0.473495	0.857981	0.291361	-3.906250	1.953125	3.906250
1623	0.471597	0.864789	0.299817	-3.906250	3.906250	0.000000
1624	0.470458	0.856373	0.311140	-1.953125	3.906250	1.953125
1625	0.469775	0.851324	0.311684	0.000000	3.906250	1.953125
1626	0.475615	0.842044	0.312010	-1.953125	7.812500	1.953125
1627	0.479119	0.830227	0.318456	0.000000	3.906250	5.859375
1628	0.493721	0.835636	0.303574	-5.859375	1.953125	11.718750
1629	0.527483	0.820132	0.275894	-15.625000	11.718750	21.484375
1630	0.610240	0.804579	0.221787	-23.437500	56.640625	15.625000
1631	0.578644	0.907747	0.089322	-109.375000	173.828125	25.390625
1632	0.409686	0.844648	-0.083907	-250.000000	193.359375	-60.546875
1633	0.152062	0.463039	-0.375344	-250.000000	179.687500	-42.968750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1634	-0.090013	-0.234677	-0.750206	-250.000000	115.234375	-93.750000
1635	-0.091508	-0.784556	-1.168874	-250.000000	21.484375	-150.390625
1636	0.020095	-0.933234	-1.270074	-189.453125	0.000000	-156.250000
1637	0.062057	-0.841190	-1.287045	-78.125000	27.343750	-31.250000
1638	0.230984	-0.717214	-1.165977	76.171875	-3.906250	-82.031250
1639	0.244841	-0.524078	-1.105836	7.812500	-11.718750	-25.390625
1640	0.184404	-0.414447	-1.051002	25.390625	21.484375	-13.671875
1641	0.173143	-0.373668	-1.024351	-1.953125	-7.812500	1.953125
1642	0.197636	-0.355451	-1.002111	-3.906250	-17.578125	-7.812500
1643	0.256081	-0.363271	-0.988766	3.906250	-7.812500	-15.625000
1644	0.284899	-0.361712	-0.974510	-1.953125	3.906250	0.000000
1645	0.270939	-0.348277	-0.972206	-1.953125	1.953125	-5.859375
1646	0.262564	-0.340216	-0.964574	-3.906250	0.000000	-3.906250
1647	0.263788	-0.335380	-0.959994	-3.906250	0.000000	0.000000
1648	0.289523	-0.332478	-0.957246	-3.906250	1.953125	1.953125
1649	0.292464	-0.330737	-0.955598	-1.953125	3.906250	-1.953125
1650	0.287978	-0.323442	-0.954609	-3.906250	1.953125	0.000000
1651	0.321418	-0.298359	-0.953126	-1.953125	-1.953125	-1.953125
1652	0.317851	-0.297765	-0.953126	-1.953125	-1.953125	0.000000
1653	0.315711	-0.297409	-0.953125	0.000000	-1.953125	0.000000
1654	0.314426	-0.297196	-0.953125	0.000000	-1.953125	0.000000
1655	0.313656	-0.297067	-0.953125	0.000000	-1.953125	-1.953125
1656	0.313193	-0.296990	-0.959375	-1.953125	-1.953125	-1.953125
1657	0.331666	-0.303194	-0.963125	0.000000	0.000000	1.953125
1658	0.392750	-0.363167	-1.002875	-3.906250	-5.859375	13.671875
1659	0.473150	-0.549150	-1.107975	35.156250	-7.812500	29.296875
1660	0.446390	-0.785740	-1.258535	134.765625	29.296875	-29.296875
1661	0.355334	-1.052694	-1.448871	248.046875	83.984375	-48.828125
1662	0.194450	-1.069116	-1.575573	248.046875	125.000000	-50.781250
1663	0.060420	-0.697720	-1.326594	248.046875	93.750000	3.906250
1664	0.092502	-0.256132	-0.945956	248.046875	13.671875	-11.718750
1665	0.243001	0.252571	-0.548824	216.796875	-15.625000	-42.968750
1666	0.289551	0.576543	-0.216794	99.609375	-52.734375	-50.781250
1667	0.373730	0.758426	-0.017577	41.015625	-29.296875	-15.625000
1668	0.392988	0.811305	0.101954	17.578125	-15.625000	7.812500
1669	0.435793	0.843033	0.179922	5.859375	-21.484375	-7.812500
1670	0.436476	0.855820	0.214203	5.859375	-7.812500	1.953125
1671	0.455635	0.857242	0.228522	9.765625	-5.859375	13.671875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1672	0.473381	0.864345	0.237113	0.000000	-3.906250	5.859375
1673	0.477779	0.874857	0.242268	1.953125	1.953125	1.953125
1674	0.486667	0.868664	0.251611	0.000000	5.859375	7.812500
1675	0.492000	0.852449	0.257216	-1.953125	1.953125	1.953125
1676	0.495200	0.855219	0.266830	1.953125	5.859375	3.906250
1677	0.497120	0.850631	0.278848	0.000000	3.906250	5.859375
1678	0.498272	0.847879	0.279809	-1.953125	3.906250	0.000000
1679	0.492713	0.846227	0.280385	0.000000	3.906250	-1.953125
1680	0.495628	0.845236	0.274481	0.000000	5.859375	0.000000
1681	0.503627	0.838392	0.277189	-3.906250	7.812500	3.906250
1682	0.539676	0.821785	0.260063	0.000000	17.578125	13.671875
1683	0.573806	0.799321	0.237288	5.859375	44.921875	23.437500
1684	0.594283	0.873343	0.186123	-19.531250	89.843750	-19.531250
1685	0.450320	0.942756	0.142924	-136.718750	115.234375	-9.765625
1686	0.345192	0.878153	0.029504	-250.000000	89.843750	-44.921875
1687	0.250865	0.526892	-0.269797	-250.000000	125.000000	-48.828125
1688	0.094269	-0.265115	-0.786878	-250.000000	140.625000	-76.171875
1689	-0.087189	-0.902819	-1.003377	-250.000000	95.703125	-150.390625
1690	0.022687	-1.104191	-1.339526	-250.000000	-21.484375	-226.562500
1691	0.438612	-1.081265	-1.303716	-15.625000	52.734375	5.859375
1692	0.381917	-0.686259	-1.200979	97.656250	-13.671875	-97.656250
1693	0.329150	-0.486755	-1.089338	19.531250	19.531250	-35.156250
1694	0.247490	-0.392053	-1.041103	-11.718750	25.390625	-17.578125
1695	0.229744	-0.385232	-1.024662	-13.671875	-11.718750	23.437500
1696	0.256596	-0.374889	-0.996047	9.765625	-27.343750	-1.953125
1697	0.322708	-0.362433	-0.972628	5.859375	-19.531250	-33.203125
1698	0.362375	-0.348710	-0.952327	-5.859375	1.953125	13.671875
1699	0.354925	-0.340476	-0.946396	-5.859375	7.812500	-13.671875
1700	0.331705	-0.341786	-0.949088	-11.718750	11.718750	-5.859375
1701	0.305273	-0.342571	-0.950703	-7.812500	3.906250	0.000000
1702	0.301914	-0.336793	-0.951672	0.000000	-7.812500	-3.906250
1703	0.318648	-0.327076	-0.952253	7.812500	-9.765625	-5.859375
1704	0.366189	-0.289995	-0.946352	7.812500	-1.953125	-7.812500
1705	0.343750	-0.304229	-0.941301	0.000000	0.000000	5.859375
1706	0.343750	-0.320038	-0.946031	-5.859375	1.953125	11.718750
1707	0.343750	-0.323273	-0.948868	-1.953125	1.953125	3.906250
1708	0.337500	-0.331464	-0.944321	-1.953125	0.000000	-7.812500
1709	0.340000	-0.330128	-0.941593	1.953125	-3.906250	-19.531250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1710	0.322750	-0.316827	-0.946206	-1.953125	0.000000	-5.859375
1711	0.343650	-0.308846	-0.948973	-1.953125	0.000000	0.000000
1712	0.399940	-0.335308	-0.969384	-5.859375	3.906250	39.062500
1713	0.564964	-0.594935	-1.081630	68.359375	27.343750	74.218750
1714	0.582728	-0.800711	-1.173978	148.437500	35.156250	37.109375
1715	0.455887	-1.049176	-1.260637	205.078125	62.500000	-27.343750
1716	0.229782	-1.135756	-1.306382	248.046875	113.281250	-46.875000
1717	0.094119	-0.906454	-1.140079	248.046875	101.562500	-7.812500
1718	0.131472	-0.481372	-0.846548	248.046875	39.062500	23.437500
1719	0.403883	0.048677	-0.651679	248.046875	-15.625000	48.828125
1720	0.386080	0.535456	-0.391007	179.687500	-52.734375	7.812500
1721	0.512898	0.821274	-0.197104	27.343750	-42.968750	-23.437500
1722	0.501489	0.780264	-0.024513	-7.812500	-7.812500	17.578125
1723	0.519643	0.818159	0.072792	-5.859375	-11.718750	5.859375
1724	0.524286	0.834645	0.149925	-5.859375	-3.906250	-1.953125
1725	0.520822	0.838287	0.202455	-3.906250	-5.859375	0.000000
1726	0.524993	0.840472	0.227723	-7.812500	-5.859375	-1.953125
1727	0.527496	0.848033	0.236634	-3.906250	0.000000	0.000000
1728	0.528997	0.840070	0.260730	-5.859375	1.953125	0.000000
1729	0.523648	0.841542	0.275188	-5.859375	3.906250	1.953125
1730	0.520439	0.836175	0.283863	-1.953125	5.859375	0.000000
1731	0.518513	0.832955	0.301568	-1.953125	3.906250	1.953125
1732	0.517358	0.831023	0.305941	-1.953125	3.906250	1.953125
1733	0.516665	0.829864	0.314814	-1.953125	3.906250	3.906250
1734	0.528749	0.822918	0.313889	0.000000	0.000000	3.906250
1735	0.535999	0.812501	0.307083	-1.953125	3.906250	7.812500
1736	0.559100	0.806251	0.290500	-5.859375	5.859375	11.718750
1737	0.597960	0.783750	0.274300	-17.578125	5.859375	23.437500
1738	0.677526	0.757750	0.239580	-3.906250	58.593750	27.343750
1739	0.700266	0.823400	0.099998	-76.171875	158.203125	-52.734375
1740	0.463909	0.819040	-0.033751	-224.609375	191.406250	-95.703125
1741	0.209596	0.528924	-0.301501	-250.000000	197.265625	-140.625000
1742	-0.061743	-0.082646	-0.780900	-250.000000	121.093750	-111.328125
1743	-0.205796	-0.680837	-1.268540	-250.000000	19.531250	-31.250000
1744	-0.160977	-0.908502	-1.479874	-212.890625	85.937500	-250.000000
1745	-0.096586	-0.926351	-1.362924	-68.359375	-15.625000	-99.609375
1746	0.242048	-0.668311	-1.186505	83.984375	39.062500	-64.453125
1747	0.276479	-0.532237	-1.099403	-3.906250	-25.390625	-70.312500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1748	0.240887	-0.425592	-1.053392	1.953125	44.921875	-19.531250
1749	0.194532	-0.392855	-1.019535	-11.718750	23.437500	39.062500
1750	0.191719	-0.379463	-0.999221	0.000000	-9.765625	-1.953125
1751	0.233782	-0.365178	-0.980783	0.000000	-27.343750	-17.578125
1752	0.365269	-0.337857	-0.975970	11.718750	-9.765625	-39.062500
1753	0.369161	-0.321464	-0.966832	-5.859375	0.000000	-9.765625
1754	0.346497	-0.311628	-0.961349	-1.953125	11.718750	-5.859375
1755	0.320398	-0.318227	-0.951809	-7.812500	3.906250	-1.953125
1756	0.317239	-0.328436	-0.946086	-1.953125	-3.906250	-1.953125
1757	0.359093	-0.309562	-0.942651	0.000000	0.000000	1.953125
1758	0.371706	-0.310737	-0.940591	-1.953125	0.000000	-9.765625
1759	0.359331	-0.307165	-0.938628	0.000000	0.000000	-1.953125
1760	0.359349	-0.303049	-0.944427	0.000000	0.000000	-1.953125
1761	0.359359	-0.300580	-0.947906	0.000000	0.000000	-1.953125
1762	0.359365	-0.299098	-0.943744	-1.953125	0.000000	0.000000
1763	0.371869	-0.310709	-0.941246	-1.953125	0.000000	1.953125
1764	0.398122	-0.323925	-0.945998	0.000000	3.906250	7.812500
1765	0.432623	-0.356855	-0.967599	5.859375	3.906250	15.625000
1766	0.503324	-0.482863	-1.005559	25.390625	0.000000	5.859375
1767	0.570744	-0.695968	-1.084586	99.609375	35.156250	-5.859375
1768	0.573697	-0.973831	-1.219501	185.546875	64.453125	29.296875
1769	0.431718	-1.146798	-1.387951	248.046875	101.562500	-54.687500
1770	0.252781	-0.975579	-1.289020	248.046875	119.140625	-27.343750
1771	0.139168	-0.504097	-0.960912	248.046875	37.109375	9.765625
1772	0.214751	-0.002458	-0.620297	248.046875	-48.828125	15.625000
1773	0.310101	0.373525	-0.303428	158.203125	-33.203125	-99.609375
1774	0.323560	0.617865	-0.063307	87.890625	-44.921875	-76.171875
1775	0.369136	0.789469	0.049516	56.640625	-31.250000	-11.718750
1776	0.433982	0.873681	0.098459	21.484375	-25.390625	3.906250
1777	0.429139	0.905459	0.121576	5.859375	-9.765625	-5.859375
1778	0.438733	0.918275	0.129195	9.765625	-1.953125	13.671875
1779	0.450740	0.907215	0.146267	0.000000	-1.953125	7.812500
1780	0.457944	0.900579	0.156510	-1.953125	-5.859375	-3.906250
1781	0.456016	0.890347	0.162656	-5.859375	1.953125	5.859375
1782	0.467360	0.890458	0.172594	-3.906250	0.000000	5.859375
1783	0.474166	0.896775	0.178556	-3.906250	-3.906250	-3.906250
1784	0.472000	0.888065	0.188384	-1.953125	0.000000	3.906250
1785	0.476950	0.882839	0.188030	-3.906250	0.000000	3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1786	0.486170	0.879703	0.187818	0.000000	1.953125	1.953125
1787	0.485452	0.877822	0.187691	1.953125	5.859375	7.812500
1788	0.497521	0.870443	0.187615	0.000000	7.812500	5.859375
1789	0.498513	0.866016	0.193819	0.000000	11.718750	1.953125
1790	0.499108	0.869610	0.203791	1.953125	13.671875	1.953125
1791	0.518215	0.865516	0.203525	0.000000	11.718750	0.000000
1792	0.523429	0.863059	0.184615	-1.953125	23.437500	-1.953125
1793	0.551557	0.861586	0.154519	-11.718750	41.015625	0.000000
1794	0.518434	0.879451	0.136461	-41.015625	78.125000	-1.953125
1795	0.454811	0.902671	0.131877	-113.281250	68.359375	-37.109375
1796	0.354136	0.822853	0.122876	-222.656250	78.125000	-66.406250
1797	0.193732	0.581212	0.098726	-250.000000	68.359375	-70.312500
1798	0.028739	0.167477	-0.122015	-250.000000	64.453125	-42.968750
1799	-0.045257	-0.399514	-0.404459	-250.000000	-15.625000	-160.156250
1800	0.035346	-0.633458	-0.892675	-250.000000	-52.734375	-48.828125
1801	0.202458	-0.880075	-1.316855	-226.562500	3.906250	-173.828125
1802	0.502725	-0.815545	-1.308863	-5.859375	-82.031250	-140.625000
1803	0.407885	-0.533077	-1.172818	95.703125	9.765625	-37.109375
1804	0.338481	-0.432346	-1.084941	3.906250	5.859375	-31.250000
1805	0.253089	-0.359408	-1.038464	-11.718750	23.437500	-17.578125
1806	0.220603	-0.359395	-1.023079	-11.718750	-3.906250	15.625000
1807	0.238612	-0.359387	-1.007597	15.625000	-17.578125	-15.625000
1808	0.293167	-0.321882	-0.992058	21.484375	-13.671875	-33.203125
1809	0.369650	-0.261879	-0.970235	-1.953125	9.765625	0.000000
1810	0.365540	-0.282128	-0.969641	-9.765625	9.765625	-1.953125
1811	0.344324	-0.281777	-0.956785	-13.671875	9.765625	-1.953125
1812	0.331594	-0.300316	-0.955321	-5.859375	3.906250	-5.859375
1813	0.342707	-0.305190	-0.948192	0.000000	-3.906250	-5.859375
1814	0.355624	-0.295614	-0.950165	5.859375	-1.953125	-7.812500
1815	0.369624	-0.277368	-0.945099	7.812500	0.000000	-9.765625
1816	0.382097	-0.272994	-0.952824	-1.953125	0.000000	-1.953125
1817	0.385508	-0.270046	-0.952945	-1.953125	0.000000	-1.953125
1818	0.387555	-0.268278	-0.946767	-1.953125	0.000000	-3.906250
1819	0.382533	-0.267217	-0.943060	0.000000	0.000000	-1.953125
1820	0.379520	-0.266580	-0.940836	0.000000	0.000000	-1.953125
1821	0.383962	-0.266198	-0.945752	0.000000	0.000000	0.000000
1822	0.442877	-0.297219	-0.967451	0.000000	0.000000	21.484375
1823	0.571976	-0.440831	-1.049221	17.578125	-21.484375	13.671875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1824	0.655686	-0.608249	-1.185782	82.031250	23.437500	-56.640625
1825	0.612161	-0.789949	-1.330219	125.000000	91.796875	-9.765625
1826	0.429797	-0.880220	-1.454382	248.046875	193.359375	-54.687500
1827	0.301628	-0.784382	-1.341379	248.046875	189.453125	-39.062500
1828	0.155977	-0.420629	-0.936077	248.046875	134.765625	37.109375
1829	0.143586	-0.014877	-0.555396	248.046875	23.437500	50.781250
1830	0.304902	0.459824	-0.220738	156.250000	-25.390625	-87.890625
1831	0.339191	0.675894	0.011307	93.750000	-35.156250	-60.546875
1832	0.397265	0.780536	0.125534	68.359375	-17.578125	-7.812500
1833	0.444609	0.837072	0.169071	19.531250	-13.671875	11.718750
1834	0.460515	0.864743	0.195192	15.625000	-7.812500	-1.953125
1835	0.476309	0.875096	0.210865	9.765625	-1.953125	9.765625
1836	0.498285	0.868808	0.207769	1.953125	-3.906250	7.812500
1837	0.511471	0.865035	0.205912	0.000000	-1.953125	-1.953125
1838	0.506883	0.862771	0.211047	-3.906250	1.953125	5.859375
1839	0.510380	0.861412	0.220378	-7.812500	1.953125	5.859375
1840	0.506228	0.860597	0.219727	-3.906250	1.953125	-7.812500
1841	0.503737	0.860108	0.231836	-7.812500	3.906250	3.906250
1842	0.508492	0.853565	0.251602	-9.765625	3.906250	5.859375
1843	0.511345	0.849639	0.263461	-3.906250	5.859375	3.906250
1844	0.513057	0.841033	0.270577	-5.859375	3.906250	3.906250
1845	0.520334	0.835870	0.287346	-5.859375	3.906250	1.953125
1846	0.518451	0.832772	0.297408	0.000000	3.906250	3.906250
1847	0.529820	0.824663	0.297195	0.000000	1.953125	1.953125
1848	0.536642	0.813548	0.297067	-1.953125	5.859375	0.000000
1849	0.534485	0.813129	0.296990	-1.953125	9.765625	3.906250
1850	0.545691	0.806627	0.296944	0.000000	13.671875	5.859375
1851	0.577415	0.796476	0.290666	-9.765625	21.484375	11.718750
1852	0.602699	0.784136	0.268150	-23.437500	58.593750	-7.812500
1853	0.549119	0.820481	0.229640	-68.359375	89.843750	-48.828125
1854	0.404472	0.848539	0.187784	-175.781250	95.703125	-93.750000
1855	0.198933	0.734123	0.006420	-250.000000	128.906250	-56.640625
1856	0.025610	0.340474	-0.408648	-250.000000	128.906250	-60.546875
1857	-0.047134	-0.226966	-0.982689	-250.000000	-41.015625	-250.000000
1858	0.227970	-0.736179	-1.389613	-250.000000	-1.953125	-162.109375
1859	0.130532	-0.847958	-1.446268	-99.609375	42.968750	-117.187500
1860	0.472069	-0.671275	-1.292761	152.343750	29.296875	-99.609375
1861	0.408241	-0.434015	-1.169406	27.343750	1.953125	-44.921875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1862	0.326195	-0.366659	-1.101644	7.812500	42.968750	-1.953125
1863	0.251967	-0.319995	-1.060986	-1.953125	13.671875	13.671875
1864	0.257430	-0.304497	-1.017842	3.906250	-21.484375	7.812500
1865	0.298208	-0.301448	-0.985705	-5.859375	-35.156250	-31.250000
1866	0.366425	-0.305869	-0.978923	-3.906250	-23.437500	-29.296875
1867	0.407355	-0.296021	-0.968604	1.953125	1.953125	-7.812500
1868	0.400663	-0.290113	-0.962412	-5.859375	13.671875	-1.953125
1869	0.371648	-0.286568	-0.958697	-5.859375	15.625000	0.000000
1870	0.341739	-0.284441	-0.956468	-3.906250	5.859375	1.953125
1871	0.336293	-0.283164	-0.955131	0.000000	-5.859375	-3.906250
1872	0.358026	-0.282399	-0.954329	3.906250	-7.812500	-3.906250
1873	0.377316	-0.275689	-0.953847	3.906250	-5.859375	-3.906250
1874	0.382501	-0.274658	-0.953066	-1.953125	0.000000	0.000000
1875	0.392000	-0.277295	-0.953090	0.000000	3.906250	0.000000
1876	0.391450	-0.272627	-0.946854	0.000000	5.859375	-1.953125
1877	0.384870	-0.269826	-0.943112	-1.953125	5.859375	0.000000
1878	0.380922	-0.268146	-0.940867	-1.953125	1.953125	0.000000
1879	0.397303	-0.267137	-0.945770	0.000000	1.953125	7.812500
1880	0.463382	-0.291532	-0.961212	0.000000	-1.953125	29.296875
1881	0.565529	-0.449919	-1.039227	15.625000	-7.812500	42.968750
1882	0.614318	-0.657452	-1.148536	95.703125	29.296875	27.343750
1883	0.518591	-0.938221	-1.345372	203.125000	82.031250	-19.531250
1884	0.323654	-1.056683	-1.494723	248.046875	123.046875	-58.593750
1885	0.175443	-0.765260	-1.371834	248.046875	166.015625	-44.921875
1886	0.161516	-0.309156	-1.029350	248.046875	41.015625	44.921875
1887	0.265659	0.277007	-0.686360	248.046875	-1.953125	-33.203125
1888	0.303146	0.609954	-0.349316	158.203125	-54.687500	-50.781250
1889	0.400637	0.834722	-0.147090	39.062500	-33.203125	-9.765625
1890	0.427882	0.838333	-0.019504	5.859375	-7.812500	19.531250
1891	0.469229	0.859250	0.069548	0.000000	-21.484375	-5.859375
1892	0.462788	0.884300	0.122979	0.000000	-9.765625	1.953125
1893	0.483923	0.899330	0.136287	-3.906250	-9.765625	7.812500
1894	0.502854	0.889598	0.163022	-9.765625	-11.718750	-7.812500
1895	0.501712	0.871259	0.191563	-9.765625	-3.906250	3.906250
1896	0.501027	0.847755	0.208688	-3.906250	1.953125	3.906250
1897	0.494366	0.858653	0.212713	0.000000	7.812500	-1.953125
1898	0.496620	0.858942	0.227628	0.000000	5.859375	0.000000
1899	0.497972	0.859115	0.242827	0.000000	1.953125	-7.812500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1900	0.486283	0.859219	0.245696	0.000000	5.859375	0.000000
1901	0.485520	0.865531	0.253668	-3.906250	5.859375	0.000000
1902	0.478812	0.863069	0.264701	-5.859375	1.953125	-3.906250
1903	0.474787	0.861591	0.277570	-1.953125	3.906250	1.953125
1904	0.472372	0.860705	0.279042	-1.953125	3.906250	0.000000
1905	0.470923	0.860173	0.279925	0.000000	7.812500	1.953125
1906	0.470054	0.859854	0.286705	0.000000	5.859375	3.906250
1907	0.475782	0.853412	0.290773	-5.859375	5.859375	3.906250
1908	0.472969	0.843297	0.305714	-5.859375	7.812500	1.953125
1909	0.490032	0.837228	0.308428	-1.953125	5.859375	0.000000
1910	0.494019	0.833587	0.303807	-3.906250	19.531250	-3.906250
1911	0.477661	0.843902	0.307284	0.000000	29.296875	-1.953125
1912	0.442847	0.862591	0.321871	-1.953125	35.156250	-11.718750
1913	0.396958	0.880055	0.336872	-9.765625	27.343750	-11.718750
1914	0.388175	0.896783	0.333373	-35.156250	27.343750	-17.578125
1915	0.339155	0.900570	0.325024	-78.125000	44.921875	-11.718750
1916	0.297243	0.871592	0.295014	-146.484375	46.875000	-25.390625
1917	0.222096	0.816705	0.120759	-250.000000	87.890625	-15.625000
1918	0.102007	0.421273	-0.221295	-250.000000	99.609375	-37.109375
1919	0.036204	-0.240986	-0.695277	-250.000000	-13.671875	-210.937500
1920	0.134223	-0.632092	-1.142166	-250.000000	-11.718750	-148.437500
1921	0.330534	-0.798005	-1.485300	-250.000000	-52.734375	-89.843750
1922	0.860820	-0.797553	-1.516180	-72.265625	-144.531250	109.375000
1923	0.610242	-0.534782	-1.359708	119.140625	35.156250	-158.203125
1924	0.434895	-0.364619	-1.228325	31.250000	48.828125	-11.718750
1925	0.285937	-0.293771	-1.130745	31.250000	25.390625	-1.953125
1926	0.259062	-0.257513	-1.084697	29.296875	-31.250000	-11.718750
1927	0.286687	-0.235758	-1.038318	21.484375	-41.015625	-27.343750
1928	0.359512	-0.235205	-1.010491	7.812500	-23.437500	-52.734375
1929	0.390707	-0.228623	-0.993795	-9.765625	-1.953125	-5.859375
1930	0.378174	-0.237174	-0.983777	-23.437500	11.718750	1.953125
1931	0.339405	-0.254804	-0.984016	-25.390625	17.578125	7.812500
1932	0.303643	-0.271633	-0.984160	-13.671875	11.718750	0.000000
1933	0.288436	-0.275480	-0.977996	0.000000	-5.859375	-7.812500
1934	0.304311	-0.271538	-0.980547	11.718750	-11.718750	-5.859375
1935	0.332587	-0.262923	-0.975828	17.578125	-9.765625	-5.859375
1936	0.355802	-0.245254	-0.972997	15.625000	-3.906250	-3.906250
1937	0.357965	-0.247077	-0.967909	0.000000	0.000000	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1938	0.358529	-0.248246	-0.961996	1.953125	0.000000	-1.953125
1939	0.358867	-0.242698	-0.958447	0.000000	0.000000	-1.953125
1940	0.365320	-0.239369	-0.962568	0.000000	0.000000	-1.953125
1941	0.369192	-0.237371	-0.965041	-1.953125	1.953125	0.000000
1942	0.365265	-0.242423	-0.960275	-3.906250	1.953125	3.906250
1943	0.381659	-0.270454	-0.969915	0.000000	-1.953125	7.812500
1944	0.460246	-0.381022	-1.013199	25.390625	-5.859375	13.671875
1945	0.557397	-0.553613	-1.101669	97.656250	17.578125	-21.484375
1946	0.609438	-0.719668	-1.167252	123.046875	23.437500	-21.484375
1947	0.559413	-0.981801	-1.287851	185.546875	105.468750	-46.875000
1948	0.360648	-1.039080	-1.385211	248.046875	199.218750	-62.500000
1949	0.135139	-0.729698	-1.199876	248.046875	187.500000	-5.859375
1950	0.068583	-0.256569	-0.832426	248.046875	39.062500	33.203125
1951	0.247400	0.289809	-0.543205	248.046875	-11.718750	-148.437500
1952	0.210940	0.617635	-0.294673	103.515625	-52.734375	3.906250
1953	0.370314	0.870581	-0.126804	54.687500	-21.484375	-35.156250
1954	0.428438	0.859849	0.005168	9.765625	9.765625	35.156250
1955	0.469563	0.865909	0.078101	5.859375	3.906250	21.484375
1956	0.475488	0.888296	0.121860	0.000000	0.000000	5.859375
1957	0.510293	0.882977	0.141866	-13.671875	-17.578125	1.953125
1958	0.524926	0.867286	0.160120	-5.859375	0.000000	0.000000
1959	0.527455	0.851622	0.183572	-5.859375	1.953125	3.906250
1960	0.535223	0.842223	0.203893	-3.906250	3.906250	0.000000
1961	0.527384	0.842834	0.222336	-1.953125	3.906250	-1.953125
1962	0.516430	0.843200	0.245902	-3.906250	0.000000	0.000000
1963	0.516108	0.849670	0.253791	-1.953125	0.000000	0.000000
1964	0.515915	0.847302	0.252275	-1.953125	1.953125	0.000000
1965	0.515799	0.839631	0.263865	-7.812500	0.000000	0.000000
1966	0.521979	0.841279	0.270819	-3.906250	1.953125	0.000000
1967	0.525688	0.829767	0.274991	-5.859375	3.906250	0.000000
1968	0.527913	0.835360	0.271245	-5.859375	5.859375	0.000000
1969	0.535498	0.832466	0.268997	-13.671875	5.859375	-11.718750
1970	0.540049	0.836980	0.280148	-25.390625	13.671875	-15.625000
1971	0.530279	0.827188	0.305589	-42.968750	21.484375	-25.390625
1972	0.499417	0.802563	0.345853	-56.640625	31.250000	-31.250000
1973	0.412150	0.806538	0.395012	-72.265625	44.921875	-17.578125
1974	0.328540	0.815173	0.424507	-121.093750	42.968750	-39.062500
1975	0.215874	0.739104	0.404704	-226.562500	50.781250	-21.484375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
1976	0.129525	0.530962	0.286573	-250.000000	54.687500	-5.859375
1977	0.046465	0.162327	0.003194	-250.000000	62.500000	-17.578125
1978	-0.028371	-0.315104	-0.573084	-250.000000	-5.859375	-123.046875
1979	0.070477	-0.670312	-1.118850	-250.000000	-35.156250	-197.265625
1980	0.217286	-0.683437	-1.377560	-175.781250	-33.203125	-74.218750
1981	0.417872	-0.678812	-1.239036	83.984375	21.484375	-60.546875
1982	0.400723	-0.469787	-1.162172	60.546875	-11.718750	-128.906250
1983	0.315434	-0.338122	-1.066053	-7.812500	41.015625	-15.625000
1984	0.258010	-0.327873	-1.045882	-13.671875	15.625000	-3.906250
1985	0.261056	-0.321724	-1.033779	19.531250	-23.437500	-9.765625
1986	0.306634	-0.293034	-1.014017	27.343750	-29.296875	-9.765625
1987	0.352730	-0.269571	-0.989660	17.578125	-19.531250	-11.718750
1988	0.380388	-0.249242	-0.968796	0.000000	0.000000	-3.906250
1989	0.378233	-0.249545	-0.962528	-17.578125	11.718750	0.000000
1990	0.364440	-0.262227	-0.958767	-23.437500	9.765625	-5.859375
1991	0.349914	-0.282336	-0.962760	-21.484375	7.812500	-5.859375
1992	0.334948	-0.294402	-0.965156	-5.859375	0.000000	0.000000
1993	0.332219	-0.289141	-0.966594	9.765625	-5.859375	1.953125
1994	0.343081	-0.279735	-0.961206	13.671875	-9.765625	1.953125
1995	0.369065	-0.370521	-0.912383	1.953125	-3.906250	-9.765625
1996	0.371439	-0.359813	-0.916180	0.000000	-1.953125	-5.859375
1997	0.372863	-0.359638	-0.918458	-3.906250	0.000000	1.953125
1998	0.373718	-0.365783	-0.919825	-3.906250	0.000000	1.953125
1999	0.374231	-0.363220	-0.914395	-1.953125	1.953125	1.953125
2000	0.399539	-0.386682	-0.911137	-3.906250	-7.812500	3.906250
2001	0.489723	-0.450759	-0.921682	11.718750	-1.953125	33.203125
2002	0.556334	-0.557955	-0.934259	29.296875	29.296875	50.781250
2003	0.533800	-0.772273	-1.060556	89.843750	41.015625	-39.062500
2004	0.464030	-1.050864	-1.205083	193.359375	44.921875	-3.906250
2005	0.340918	-1.186768	-1.391800	248.046875	87.890625	-41.015625
2006	0.198301	-0.974561	-1.347580	248.046875	109.375000	-37.109375
2007	0.175231	-0.415987	-0.989798	248.046875	25.390625	46.875000
2008	0.336388	0.156658	-0.662629	248.046875	-23.437500	-27.343750
2009	0.383083	0.481495	-0.316327	121.093750	-35.156250	-95.703125
2010	0.423600	0.620147	-0.052296	74.218750	-31.250000	-74.218750
2011	0.379160	0.772088	0.056122	68.359375	-5.859375	-13.671875
2012	0.396246	0.844503	0.096173	23.437500	-17.578125	-9.765625
2013	0.393998	0.894202	0.113954	15.625000	-13.671875	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2014	0.398899	0.955271	0.118372	9.765625	0.000000	5.859375
2015	0.401839	0.923163	0.121023	0.000000	-1.953125	1.953125
2016	0.403603	0.903898	0.135114	-3.906250	0.000000	3.906250
2017	0.404662	0.911089	0.143568	0.000000	5.859375	7.812500
2018	0.411547	0.909153	0.154891	-1.953125	0.000000	5.859375
2019	0.421928	0.907992	0.149185	0.000000	3.906250	13.671875
2020	0.446907	0.901045	0.133261	0.000000	9.765625	21.484375
2021	0.530644	0.884377	0.092456	-31.250000	13.671875	60.546875
2022	0.674637	0.836876	0.036724	-56.640625	91.796875	126.953125
2023	0.717282	0.839626	-0.009216	-74.218750	197.265625	83.984375
2024	0.549119	0.835025	-0.093029	-210.937500	248.046875	9.765625
2025	0.254471	0.432265	-0.493318	-250.000000	248.046875	-99.609375
2026	-0.141067	-0.115641	-1.033491	-250.000000	248.046875	-17.578125
2027	-0.422140	-0.681885	-1.263844	-250.000000	193.359375	-216.796875
2028	-0.465784	-0.827881	-1.377057	-154.296875	83.984375	-89.843750
2029	-0.135720	-0.865478	-1.344984	82.031250	97.656250	-250.000000
2030	0.031068	-0.631787	-1.206990	41.015625	-31.250000	-107.421875
2031	0.124891	-0.410322	-1.136694	37.109375	-11.718750	-123.046875
2032	0.143684	-0.352443	-1.075767	-9.765625	7.812500	66.406250
2033	0.161211	-0.355216	-1.032960	0.000000	0.000000	-7.812500
2034	0.296790	-0.243775	-0.988895	0.000000	0.000000	0.000000
2035	0.303074	-0.240015	-0.974587	0.000000	-3.906250	-3.906250
2036	0.319344	-0.269009	-0.978502	1.953125	-1.953125	7.812500
2037	0.322857	-0.286405	-0.980851	17.578125	7.812500	29.296875
2038	0.306214	-0.278093	-0.969761	9.765625	7.812500	19.531250
2039	0.271228	-0.285606	-0.975606	1.953125	1.953125	9.765625
2040	0.281487	-0.340114	-0.979114	3.906250	-19.531250	64.453125
2041	0.281392	-0.585318	-1.043718	41.015625	-46.875000	191.406250
2042	0.231335	-0.926191	-1.163731	177.734375	9.765625	46.875000
2043	0.132551	-1.118215	-1.241989	248.046875	50.781250	1.953125
2044	0.042031	-1.089679	-1.176443	248.046875	42.968750	-7.812500
2045	0.062718	-0.797557	-0.918366	248.046875	31.250000	72.265625
2046	0.100131	-0.284784	-0.563520	248.046875	83.984375	117.187500
2047	0.041329	0.204129	-0.256862	205.078125	125.000000	74.218750
2048	-0.093953	0.441228	0.052133	-52.734375	29.296875	13.671875
2049	-0.175122	0.452237	0.400030	-37.109375	-1.953125	-15.625000
2050	-0.273823	0.471342	0.558768	-9.765625	11.718750	-7.812500
2051	-0.339294	0.470305	0.635261	-1.953125	0.000000	-7.812500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2052	-0.384826	0.469683	0.693656	0.000000	-5.859375	-5.859375
2053	-0.405896	0.488060	0.722444	1.953125	-9.765625	0.000000
2054	-0.412287	0.505336	0.739716	5.859375	-9.765625	0.000000
2055	-0.391122	0.528202	0.750080	5.859375	-15.625000	11.718750
2056	-0.315923	0.591921	0.706298	-44.921875	-19.531250	82.031250
2057	-0.202054	0.580153	0.717529	-91.796875	5.859375	-3.906250
2058	-0.221232	0.516842	0.636767	-183.593750	41.015625	-39.062500
2059	-0.263989	0.285105	0.500810	-250.000000	46.875000	-64.453125
2060	-0.270894	-0.078937	0.294236	-250.000000	31.250000	-68.359375
2061	-0.318786	-0.341112	-0.079708	-250.000000	37.109375	-50.781250
2062	-0.360022	-0.560917	-0.454075	-250.000000	25.390625	-58.593750
2063	-0.191013	-0.655300	-0.672445	-250.000000	-31.250000	-93.750000
2064	0.135392	-0.993180	-0.859717	-126.953125	203.125000	-15.625000
2065	0.124985	-0.764658	-1.015830	-101.562500	158.203125	58.593750
2066	0.231241	-0.733795	-1.015748	46.875000	-44.921875	-105.468750
2067	0.294995	-0.527777	-0.965699	-7.812500	-25.390625	11.718750
2068	0.308247	-0.429166	-0.948169	-9.765625	7.812500	-5.859375
2069	0.347448	-0.401250	-0.950152	0.000000	-1.953125	-11.718750
2070	0.364719	-0.372000	-0.938841	-3.906250	-5.859375	-7.812500
2071	0.362581	-0.354450	-0.938305	-5.859375	-1.953125	-1.953125
2072	0.348799	-0.343920	-0.944233	0.000000	-1.953125	-3.906250
2073	0.346779	-0.337602	-0.941540	0.000000	-5.859375	-3.906250
2074	0.354306	-0.319642	-0.937814	-1.953125	-1.953125	-1.953125
2075	0.356333	-0.316785	-0.937688	0.000000	-1.953125	-1.953125
2076	0.357550	-0.321321	-0.937613	-1.953125	0.000000	1.953125
2077	0.358280	-0.324043	-0.937568	0.000000	0.000000	0.000000
2078	0.358718	-0.331926	-0.937541	0.000000	0.000000	0.000000
2079	0.358981	-0.336655	-0.937524	0.000000	-1.953125	0.000000
2080	0.365388	-0.376993	-0.925015	-7.812500	-17.578125	7.812500
2081	0.412983	-0.576196	-0.967509	5.859375	-31.250000	83.984375
2082	0.372790	-0.808218	-1.074255	123.046875	-17.578125	80.078125
2083	0.279924	-1.003681	-1.132053	248.046875	-39.062500	-9.765625
2084	0.199204	-1.077208	-1.104232	248.046875	-1.953125	17.578125
2085	0.150773	-0.977575	-0.918789	248.046875	-3.906250	11.718750
2086	0.140464	-0.699045	-0.588773	248.046875	17.578125	54.687500
2087	0.153028	-0.350677	-0.234514	248.046875	58.593750	35.156250
2088	0.066817	0.008344	0.021792	187.500000	83.984375	1.953125
2089	-0.078660	0.467506	0.194325	83.984375	48.828125	-3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2090	-0.115946	0.468004	0.447845	-29.296875	13.671875	-9.765625
2091	-0.225818	0.524552	0.587457	-9.765625	5.859375	-1.953125
2092	-0.285491	0.539731	0.658724	0.000000	5.859375	-1.953125
2093	-0.315044	0.555089	0.682735	0.000000	0.000000	3.906250
2094	-0.320277	0.570553	0.709641	-3.906250	-1.953125	5.859375
2095	-0.317166	0.567332	0.719534	1.953125	-1.953125	3.906250
2096	-0.315300	0.571649	0.725471	0.000000	-3.906250	0.000000
2097	-0.276680	0.617990	0.729032	-9.765625	-5.859375	11.718750
2098	-0.259758	0.645794	0.724919	-56.640625	23.437500	62.500000
2099	-0.268355	0.681226	0.697452	-101.562500	7.812500	-23.437500
2100	-0.248513	0.602486	0.618471	-181.640625	-19.531250	-58.593750
2101	-0.192858	0.392741	0.446083	-250.000000	-42.968750	-54.687500
2102	-0.109465	-0.083105	0.205150	-250.000000	-1.953125	-42.968750
2103	-0.078179	-0.468613	-0.045660	-250.000000	-23.437500	-48.828125
2104	-0.053157	-0.724918	-0.346146	-250.000000	-3.906250	-39.062500
2105	0.005606	-0.909951	-0.607688	-177.734375	9.765625	11.718750
2106	0.059613	-0.820970	-0.727113	-138.671875	7.812500	-35.156250
2107	0.098268	-0.805082	-0.848768	-89.843750	62.500000	-44.921875
2108	0.327711	-0.776799	-0.971761	0.000000	74.218750	-3.906250
2109	0.352876	-0.616080	-0.945556	21.484375	-19.531250	-33.203125
2110	0.349226	-0.463398	-0.936084	1.953125	1.953125	-5.859375
2111	0.303286	-0.384289	-0.942900	-11.718750	7.812500	21.484375
2112	0.313221	-0.386823	-0.946990	3.906250	-7.812500	-25.390625
2113	0.296790	-0.243775	-0.988895	0.000000	0.000000	0.000000
2114	0.303074	-0.240015	-0.974587	0.000000	-3.906250	-3.906250
2115	0.319344	-0.269009	-0.978502	1.953125	-1.953125	7.812500
2116	0.322857	-0.286405	-0.980851	17.578125	7.812500	29.296875
2117	0.306214	-0.278093	-0.969761	9.765625	7.812500	19.531250
2118	0.271228	-0.285606	-0.975606	1.953125	1.953125	9.765625
2119	0.281487	-0.340114	-0.979114	3.906250	-19.531250	64.453125
2120	0.281392	-0.585318	-1.043718	41.015625	-46.875000	191.406250
2121	0.231335	-0.926191	-1.163731	177.734375	9.765625	46.875000
2122	0.132551	-1.118215	-1.241989	248.046875	50.781250	1.953125
2123	0.042031	-1.089679	-1.176443	248.046875	42.968750	-7.812500
2124	0.062718	-0.797557	-0.918366	248.046875	31.250000	72.265625
2125	0.100131	-0.284784	-0.563520	248.046875	83.984375	117.187500
2126	0.041329	0.204129	-0.256862	205.078125	125.000000	74.218750
2127	-0.093953	0.441228	0.052133	-52.734375	29.296875	13.671875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2128	-0.175122	0.452237	0.400030	-37.109375	-1.953125	-15.625000
2129	-0.273823	0.471342	0.558768	-9.765625	11.718750	-7.812500
2130	-0.339294	0.470305	0.635261	-1.953125	0.000000	-7.812500
2131	-0.384826	0.469683	0.693656	0.000000	-5.859375	-5.859375
2132	-0.405896	0.488060	0.722444	1.953125	-9.765625	0.000000
2133	-0.412287	0.505336	0.739716	5.859375	-9.765625	0.000000
2134	-0.391122	0.528202	0.750080	5.859375	-15.625000	11.718750
2135	-0.315923	0.591921	0.706298	-44.921875	-19.531250	82.031250
2136	-0.202054	0.580153	0.717529	-91.796875	5.859375	-3.906250
2137	-0.221232	0.516842	0.636767	-183.593750	41.015625	-39.062500
2138	-0.263989	0.285105	0.500810	-250.000000	46.875000	-64.453125
2139	-0.270894	-0.078937	0.294236	-250.000000	31.250000	-68.359375
2140	-0.318786	-0.341112	-0.079708	-250.000000	37.109375	-50.781250
2141	-0.360022	-0.560917	-0.454075	-250.000000	25.390625	-58.593750
2142	-0.191013	-0.655300	-0.672445	-250.000000	-31.250000	-93.750000
2143	0.135392	-0.993180	-0.859717	-126.953125	203.125000	-15.625000
2144	0.124985	-0.764658	-1.015830	-101.562500	158.203125	58.593750
2145	0.231241	-0.733795	-1.015748	46.875000	-44.921875	-105.468750
2146	0.294995	-0.527777	-0.965699	-7.812500	-25.390625	11.718750
2147	0.308247	-0.429166	-0.948169	-9.765625	7.812500	-5.859375
2148	0.347448	-0.401250	-0.950152	0.000000	-1.953125	-11.718750
2149	0.364719	-0.372000	-0.938841	-3.906250	-5.859375	-7.812500
2150	0.362581	-0.354450	-0.938305	-5.859375	-1.953125	-1.953125
2151	0.348799	-0.343920	-0.944233	0.000000	-1.953125	-3.906250
2152	0.346779	-0.337602	-0.941540	0.000000	-5.859375	-3.906250
2153	0.358068	-0.321311	-0.939924	1.953125	-3.906250	-5.859375
2154	0.364841	-0.317787	-0.938954	-1.953125	-1.953125	0.000000
2155	0.362654	-0.321922	-0.938373	-1.953125	-1.953125	1.953125
2156	0.354306	-0.319642	-0.937814	-1.953125	-1.953125	-1.953125
2157	0.356333	-0.316785	-0.937688	0.000000	-1.953125	-1.953125
2158	0.357550	-0.321321	-0.937613	-1.953125	0.000000	1.953125
2159	0.358280	-0.324043	-0.937568	0.000000	0.000000	0.000000
2160	0.358718	-0.331926	-0.937541	0.000000	0.000000	0.000000
2161	0.358981	-0.336655	-0.937524	0.000000	-1.953125	0.000000
2162	0.365388	-0.376993	-0.925015	-7.812500	-17.578125	7.812500
2163	0.412983	-0.576196	-0.967509	5.859375	-31.250000	83.984375
2164	0.372790	-0.808218	-1.074255	123.046875	-17.578125	80.078125
2165	0.279924	-1.003681	-1.132053	248.046875	-39.062500	-9.765625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2166	0.199204	-1.077208	-1.104232	248.046875	-1.953125	17.578125
2167	0.150773	-0.977575	-0.918789	248.046875	-3.906250	11.718750
2168	0.140464	-0.699045	-0.588773	248.046875	17.578125	54.687500
2169	0.153028	-0.350677	-0.234514	248.046875	58.593750	35.156250
2170	0.066817	0.008344	0.021792	187.500000	83.984375	1.953125
2171	-0.078660	0.467506	0.194325	83.984375	48.828125	-3.906250
2172	-0.115946	0.468004	0.447845	-29.296875	13.671875	-9.765625
2173	-0.225818	0.524552	0.587457	-9.765625	5.859375	-1.953125
2174	-0.285491	0.539731	0.658724	0.000000	5.859375	-1.953125
2175	-0.315044	0.555089	0.682735	0.000000	0.000000	3.906250
2176	-0.320277	0.570553	0.709641	-3.906250	-1.953125	5.859375
2177	-0.317166	0.567332	0.719534	1.953125	-1.953125	3.906250
2178	-0.315300	0.571649	0.725471	0.000000	-3.906250	0.000000
2179	-0.276680	0.617990	0.729032	-9.765625	-5.859375	11.718750
2180	-0.259758	0.645794	0.724919	-56.640625	23.437500	62.500000
2181	-0.268355	0.681226	0.697452	-101.562500	7.812500	-23.437500
2182	-0.248513	0.602486	0.618471	-181.640625	-19.531250	-58.593750
2183	-0.192858	0.392741	0.446083	-250.000000	-42.968750	-54.687500
2184	-0.109465	-0.083105	0.205150	-250.000000	-1.953125	-42.968750
2185	-0.078179	-0.468613	-0.045660	-250.000000	-23.437500	-48.828125
2186	-0.053157	-0.724918	-0.346146	-250.000000	-3.906250	-39.062500
2187	0.005606	-0.909951	-0.607688	-177.734375	9.765625	11.718750
2188	0.059613	-0.820970	-0.727113	-138.671875	7.812500	-35.156250
2189	0.098268	-0.805082	-0.848768	-89.843750	62.500000	-44.921875
2190	0.327711	-0.776799	-0.971761	0.000000	74.218750	-3.906250
2191	0.352876	-0.616080	-0.945556	21.484375	-19.531250	-33.203125
2192	0.349226	-0.463398	-0.936084	1.953125	1.953125	-5.859375
2193	0.303286	-0.384289	-0.942900	-11.718750	7.812500	21.484375
2194	0.313221	-0.386823	-0.946990	3.906250	-7.812500	-25.390625
2195	0.344183	-0.369594	-0.936944	0.000000	-1.953125	-3.906250
2196	0.337760	-0.346756	-0.943416	-1.953125	-1.953125	0.000000
2197	0.327656	-0.339304	-0.947300	-1.953125	-1.953125	3.906250
2198	0.328021	-0.317679	-0.953122	0.000000	-1.953125	0.000000
2199	0.321812	-0.315608	-0.953123	0.000000	-1.953125	0.000000
2200	0.318087	-0.320615	-0.953124	-1.953125	0.000000	0.000000
2201	0.322102	-0.323619	-0.953124	0.000000	-1.953125	-1.953125
2202	0.324511	-0.325421	-0.953125	-1.953125	-1.953125	0.000000
2203	0.332207	-0.332753	-0.946875	-1.953125	-1.953125	3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2204	0.361824	-0.324652	-0.949375	-33.203125	-21.484375	74.218750
2205	0.417094	-0.494791	-1.000875	-21.484375	-48.828125	109.375000
2206	0.362757	-0.721875	-1.100525	105.468750	39.062500	39.062500
2207	0.242654	-0.908125	-1.191565	207.031250	35.156250	3.906250
2208	0.151842	-1.007375	-1.264939	248.046875	37.109375	-39.062500
2209	0.166105	-0.991925	-1.158963	248.046875	15.625000	21.484375
2210	0.205913	-0.757655	-0.870378	248.046875	21.484375	62.500000
2211	0.229798	-0.373343	-0.528477	248.046875	68.359375	66.406250
2212	0.087879	0.057244	-0.192086	238.281250	111.328125	15.625000
2213	-0.084773	0.678097	0.103498	62.500000	82.031250	11.718750
2214	-0.200864	0.575608	0.355849	-29.296875	13.671875	-19.531250
2215	-0.251768	0.564115	0.544759	-23.437500	1.953125	11.718750
2216	-0.307311	0.557219	0.645606	-5.859375	3.906250	-1.953125
2217	-0.328137	0.534331	0.699863	1.953125	0.000000	0.000000
2218	-0.328132	0.533099	0.726168	-3.906250	-3.906250	5.859375
2219	-0.315629	0.526109	0.748201	0.000000	-1.953125	3.906250
2220	-0.320627	0.528166	0.748920	-1.953125	0.000000	5.859375
2221	-0.311126	0.541899	0.761852	-5.859375	-5.859375	11.718750
2222	-0.305426	0.581390	0.769611	-3.906250	-7.812500	11.718750
2223	-0.264506	0.561334	0.786767	-29.296875	-1.953125	33.203125
2224	-0.271203	0.618050	0.759560	-70.312500	13.671875	25.390625
2225	-0.237722	0.564580	0.711986	-109.375000	-13.671875	-42.968750
2226	-0.192633	0.426248	0.658442	-214.843750	-17.578125	-58.593750
2227	-0.146830	0.161999	0.545065	-250.000000	-5.859375	-37.109375
2228	-0.144348	-0.165301	0.258289	-250.000000	31.250000	33.203125
2229	-0.217859	-0.424180	-0.101277	-250.000000	35.156250	-11.718750
2230	-0.274465	-0.660758	-0.467016	-250.000000	29.296875	-66.406250
2231	-0.083429	-0.721455	-0.767710	-248.046875	-33.203125	-144.531250
2232	0.156193	-0.801623	-0.954376	-93.750000	142.578125	-121.093750
2233	0.224966	-1.012224	-1.003875	-60.546875	117.187500	117.187500
2234	0.303729	-0.701084	-0.977325	41.015625	-78.125000	-85.937500
2235	0.332238	-0.495651	-0.961395	7.812500	-3.906250	17.578125
2236	0.293093	-0.403640	-0.945587	-3.906250	11.718750	13.671875
2237	0.313356	-0.385934	-0.948602	-7.812500	-7.812500	-5.859375
2238	0.344263	-0.375311	-0.937911	5.859375	-1.953125	-7.812500
2239	0.350308	-0.368936	-0.937747	-3.906250	-1.953125	5.859375
2240	0.341435	-0.352612	-0.937648	-1.953125	-1.953125	1.953125
2241	0.336111	-0.361567	-0.937589	0.000000	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2242	0.339167	-0.360690	-0.931303	0.000000	0.000000	-1.953125
2243	0.341000	-0.360164	-0.927532	-1.953125	0.000000	-1.953125
2244	0.342100	-0.359848	-0.931519	0.000000	-1.953125	-1.953125
2245	0.342760	-0.359659	-0.933912	0.000000	0.000000	-3.906250
2246	0.337496	-0.355924	-0.937020	0.000000	-1.953125	0.000000
2247	0.333748	-0.351054	-0.937212	0.000000	-1.953125	0.000000
2248	0.331499	-0.354383	-0.937327	0.000000	-1.953125	0.000000
2249	0.330149	-0.356380	-0.937396	-1.953125	-1.953125	0.000000
2250	0.329340	-0.357578	-0.937438	-1.953125	-1.953125	0.000000
2251	0.328854	-0.358297	-0.931213	-1.953125	-1.953125	1.953125
2252	0.353562	-0.389978	-0.927478	-42.968750	-37.109375	50.781250
2253	0.387137	-0.627737	-0.993987	-33.203125	-58.593750	117.187500
2254	0.319782	-0.851642	-1.133892	134.765625	27.343750	0.000000
2255	0.198119	-1.010985	-1.324085	248.046875	23.437500	-17.578125
2256	0.150122	-1.006591	-1.363201	248.046875	35.156250	-27.343750
2257	0.165073	-0.847705	-1.280421	248.046875	52.734375	13.671875
2258	0.180294	-0.489873	-0.949502	248.046875	78.125000	68.359375
2259	0.176926	-0.087674	-0.457201	248.046875	50.781250	87.890625
2260	0.093656	0.428646	-0.024321	148.437500	103.515625	17.578125
2261	-0.081307	0.500937	0.304157	-31.250000	3.906250	-3.906250
2262	-0.123784	0.494312	0.582494	-5.859375	9.765625	-1.953125
2263	-0.186770	0.490337	0.699497	5.859375	5.859375	-3.906250
2264	-0.199562	0.475452	0.763448	5.859375	-7.812500	1.953125
2265	-0.194737	0.485271	0.789319	5.859375	-5.859375	1.953125
2266	-0.198092	0.503663	0.804841	0.000000	-3.906250	3.906250
2267	-0.181355	0.514698	0.814155	1.953125	-1.953125	5.859375
2268	-0.177563	0.515069	0.825993	0.000000	-3.906250	-1.953125
2269	-0.150288	0.521541	0.839346	-7.812500	-13.671875	11.718750
2270	-0.083923	0.506675	0.834857	-9.765625	-1.953125	35.156250
2271	-0.050354	0.616505	0.775914	-62.500000	39.062500	70.312500
2272	-0.123962	0.651153	0.696799	-144.531250	62.500000	0.000000
2273	-0.118127	0.440692	0.624329	-250.000000	7.812500	-46.875000
2274	-0.070876	0.058165	0.318348	-250.000000	60.546875	15.625000
2275	-0.117526	-0.252601	-0.040241	-250.000000	83.984375	-82.031250
2276	-0.201766	-0.401561	-0.499145	-250.000000	97.656250	-42.968750
2277	-0.171059	-0.672186	-0.830737	-250.000000	23.437500	-144.531250
2278	0.022364	-0.809562	-1.029692	-160.156250	54.687500	-150.390625
2279	0.338419	-0.966987	-1.174065	33.203125	167.968750	72.265625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2280	0.428051	-0.848942	-0.979439	25.390625	-29.296875	-48.828125
2281	0.431831	-0.590615	-0.975164	-11.718750	-25.390625	-1.953125
2282	0.334098	-0.448119	-0.953848	-1.953125	27.343750	27.343750
2283	0.300459	-0.393872	-0.959809	-13.671875	-11.718750	19.531250
2284	0.367775	-0.386323	-0.957135	23.437500	-3.906250	-44.921875
2285	0.395665	-0.350544	-0.936781	-1.953125	-7.812500	-5.859375
2286	0.387399	-0.329076	-0.930819	-13.671875	-5.859375	17.578125
2287	0.351189	-0.341196	-0.945991	-7.812500	21.484375	41.015625
2288	0.329464	-0.323467	-0.948845	3.906250	3.906250	-13.671875
2289	0.316428	-0.306580	-0.950557	-1.953125	-5.859375	-3.906250
2290	0.321107	-0.302698	-0.951584	-5.859375	-11.718750	-7.812500
2291	0.342664	-0.312869	-0.952200	5.859375	0.000000	-15.625000
2292	0.349348	-0.318971	-0.952570	0.000000	-3.906250	-5.859375
2293	0.342226	-0.301989	-0.951703	-1.953125	0.000000	0.000000
2294	0.336585	-0.293693	-0.952272	-1.953125	-1.953125	-1.953125
2295	0.339451	-0.294966	-0.952613	-1.953125	-1.953125	-1.953125
2296	0.341171	-0.295730	-0.952818	-1.953125	-1.953125	0.000000
2297	0.342202	-0.296188	-0.959191	-1.953125	-1.953125	0.000000
2298	0.336571	-0.290213	-0.956764	-1.953125	-1.953125	3.906250
2299	0.333193	-0.292878	-0.955309	-7.812500	-1.953125	11.718750
2300	0.343666	-0.413227	-0.973185	-31.250000	-35.156250	27.343750
2301	0.362449	-0.704186	-1.158911	21.484375	-105.468750	9.765625
2302	0.392470	-0.853762	-1.257847	148.437500	-56.640625	-80.078125
2303	0.241732	-1.037257	-1.504708	248.046875	175.781250	-85.937500
2304	0.163789	-0.941104	-1.702825	248.046875	150.390625	9.765625
2305	0.223273	-0.614662	-1.534195	248.046875	91.796875	62.500000
2306	0.202714	-0.087547	-1.039267	248.046875	89.843750	62.500000
2307	0.121628	0.447472	-0.486060	224.609375	105.468750	-33.203125
2308	-0.158273	0.655983	-0.016636	-31.250000	-3.906250	-39.062500
2309	-0.176214	0.624840	0.333768	-31.250000	-5.859375	15.625000
2310	-0.199478	0.574904	0.556511	-7.812500	5.859375	0.000000
2311	-0.232187	0.563692	0.652657	1.953125	-1.953125	-1.953125
2312	-0.239312	0.575715	0.704094	1.953125	-3.906250	-1.953125
2313	-0.237337	0.582929	0.728706	0.000000	-3.906250	1.953125
2314	-0.211152	0.574758	0.749724	-1.953125	-1.953125	3.906250
2315	-0.207941	0.582355	0.756084	0.000000	-1.953125	3.906250
2316	-0.199765	0.574413	0.766151	-1.953125	0.000000	11.718750
2317	-0.207359	0.582148	0.778440	-5.859375	1.953125	7.812500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2318	-0.186915	0.586789	0.804564	1.953125	-15.625000	1.953125
2319	-0.080899	0.614573	0.745239	-11.718750	7.812500	-3.906250
2320	-0.179790	0.693744	0.665893	-117.187500	74.218750	-3.906250
2321	-0.320374	0.616246	0.655786	-210.937500	-3.906250	21.484375
2322	-0.260974	0.482248	0.487222	-250.000000	-80.078125	11.718750
2323	-0.125335	0.070599	0.079833	-250.000000	33.203125	60.546875
2324	-0.112701	-0.238891	-0.433350	-250.000000	41.015625	-13.671875
2325	-0.123870	-0.537084	-0.872510	-250.000000	60.546875	-41.015625
2326	-0.080572	-0.628501	-1.104756	-175.781250	128.906250	-39.062500
2327	-0.067093	-0.858350	-1.300354	-107.421875	189.453125	54.687500
2328	0.022244	-1.065010	-1.042712	27.343750	-54.687500	-111.328125
2329	0.132096	-0.682756	-1.056877	19.531250	-23.437500	-101.562500
2330	0.123008	-0.472154	-1.027876	54.687500	58.593750	52.734375
2331	0.155055	-0.377042	-0.997976	-15.625000	-44.921875	23.437500
2332	0.293033	-0.413725	-0.973786	27.343750	-33.203125	-107.421875
2333	0.357070	-0.385735	-0.940521	9.765625	-3.906250	-23.437500
2334	0.357992	-0.368941	-0.933063	-9.765625	0.000000	9.765625
2335	0.333545	-0.346365	-0.941088	-11.718750	0.000000	-5.859375
2336	0.325127	-0.339069	-0.945903	-9.765625	3.906250	1.953125
2337	0.332576	-0.359691	-0.942542	0.000000	3.906250	1.953125
2338	0.349546	-0.347065	-0.940525	-3.906250	-1.953125	1.953125
2339	0.347227	-0.333239	-0.939315	-3.906250	0.000000	5.859375
2340	0.339586	-0.337443	-0.944839	-1.953125	1.953125	3.906250
2341	0.342251	-0.335230	-0.940142	-1.953125	-3.906250	0.000000
2342	0.336601	-0.332388	-0.939085	-1.953125	-1.953125	-1.953125
2343	0.339460	-0.330683	-0.938451	0.000000	-1.953125	-1.953125
2344	0.341176	-0.329660	-0.938071	0.000000	-1.953125	0.000000
2345	0.342206	-0.329046	-0.937842	-1.953125	-1.953125	1.953125
2346	0.342823	-0.328677	-0.937705	-3.906250	-3.906250	3.906250
2347	0.336944	-0.340956	-0.925123	-21.484375	-33.203125	13.671875
2348	0.414666	-0.410824	-1.017574	-70.312500	-93.750000	80.078125
2349	0.405050	-0.602744	-1.148044	23.437500	-25.390625	31.250000
2350	0.311780	-0.786647	-1.238827	128.906250	58.593750	9.765625
2351	0.143318	-0.903238	-1.343296	248.046875	142.578125	-15.625000
2352	0.110991	-0.885693	-1.474728	248.046875	50.781250	13.671875
2353	0.129094	-0.681416	-1.428587	248.046875	5.859375	56.640625
2354	0.214957	-0.421349	-1.088402	248.046875	-7.812500	66.406250
2355	0.247724	-0.027810	-0.590541	248.046875	74.218750	13.671875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2356	-0.038866	0.777064	-0.191825	152.343750	105.468750	-56.640625
2357	-0.110819	0.578739	0.166155	-29.296875	-5.859375	-27.343750
2358	-0.116492	0.572243	0.462193	-9.765625	19.531250	0.000000
2359	-0.188645	0.587096	0.602316	1.953125	7.812500	-1.953125
2360	-0.206937	0.602258	0.680140	-1.953125	-3.906250	1.953125
2361	-0.205412	0.605105	0.714334	0.000000	-1.953125	7.812500
2362	-0.198247	0.606813	0.728600	-1.953125	-1.953125	9.765625
2363	-0.187698	0.607838	0.730910	0.000000	-1.953125	7.812500
2364	-0.181369	0.614703	0.738546	-9.765625	1.953125	13.671875
2365	-0.121321	0.700072	0.730628	-41.015625	7.812500	68.359375
2366	-0.079043	0.820043	0.644627	-119.140625	80.078125	144.531250
2367	-0.166176	0.735776	0.593026	-208.984375	97.656250	23.437500
2368	-0.205955	0.522715	0.318316	-250.000000	80.078125	5.859375
2369	-0.279823	0.069879	-0.252761	-250.000000	80.078125	-1.953125
2370	-0.217894	-0.408072	-0.745406	-250.000000	17.578125	-142.578125
2371	-0.224486	-0.632343	-0.878494	-250.000000	35.156250	-76.171875
2372	-0.184692	-0.760656	-0.995846	-93.750000	140.625000	-19.531250
2373	-0.073315	-0.718894	-1.110008	-82.031250	150.390625	-15.625000
2374	0.212261	-1.231336	-0.997255	-62.500000	80.078125	244.140625
2375	0.264857	-0.845052	-1.017103	37.109375	-89.843750	-189.453125
2376	0.265164	-0.594531	-0.979012	15.625000	9.765625	15.625000
2377	0.284098	-0.456719	-0.974907	15.625000	-3.906250	1.953125
2378	0.351709	-0.367781	-0.947444	19.531250	-5.859375	-42.968750
2379	0.373525	-0.376919	-0.943467	-11.718750	9.765625	21.484375
2380	0.367865	-0.363651	-0.947330	-3.906250	0.000000	0.000000
2381	0.364469	-0.361941	-0.943398	0.000000	0.000000	-7.812500
2382	0.368681	-0.348414	-0.928539	0.000000	0.000000	-7.812500
2383	0.371209	-0.334049	-0.932123	0.000000	1.953125	1.953125
2384	0.372725	-0.337929	-0.928024	-1.953125	3.906250	1.953125
2385	0.373635	-0.346508	-0.925564	0.000000	1.953125	0.000000
2386	0.374181	-0.351655	-0.924089	1.953125	0.000000	-3.906250
2387	0.380759	-0.348493	-0.916953	0.000000	-1.953125	-1.953125
2388	0.389346	-0.351715	-0.912737	0.000000	-1.953125	-3.906250
2389	0.389858	-0.354779	-0.916392	-1.953125	-1.953125	0.000000
2390	0.390165	-0.356617	-0.912335	-1.953125	-1.953125	-1.953125
2391	0.384099	-0.351470	-0.916151	-3.906250	-1.953125	0.000000
2392	0.386709	-0.348382	-0.918441	-1.953125	-3.906250	0.000000
2393	0.382026	-0.346529	-0.913564	-3.906250	-3.906250	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2394	0.410465	-0.351668	-0.898139	-17.578125	-11.718750	29.296875
2395	0.458779	-0.498501	-0.951383	-35.156250	-64.453125	113.281250
2396	0.481518	-0.686600	-1.064580	66.406250	-21.484375	74.218750
2397	0.395161	-0.818210	-1.138748	103.515625	42.968750	-23.437500
2398	0.268346	-0.947176	-1.208249	142.578125	93.750000	-83.984375
2399	0.242258	-0.949556	-1.324949	248.046875	82.031250	-35.156250
2400	0.226605	-0.763483	-1.401220	248.046875	103.515625	27.343750
2401	0.229713	-0.489340	-1.121982	248.046875	50.781250	89.843750
2402	0.250328	-0.049854	-0.679439	248.046875	78.125000	13.671875
2403	0.200197	0.601338	-0.263913	246.093750	136.718750	-15.625000
2404	0.013868	0.735803	0.141652	-41.015625	25.390625	-7.812500
2405	-0.010429	0.697732	0.397491	-1.953125	15.625000	15.625000
2406	-0.043758	0.674889	0.519745	5.859375	1.953125	-15.625000
2407	-0.082505	0.673683	0.580597	-1.953125	-7.812500	-9.765625
2408	-0.099503	0.685460	0.629608	1.953125	0.000000	-3.906250
2409	-0.115952	0.692526	0.665265	3.906250	-3.906250	-3.906250
2410	-0.125821	0.684266	0.674159	3.906250	-7.812500	-5.859375
2411	-0.131743	0.698059	0.679495	1.953125	-7.812500	-3.906250
2412	-0.085296	0.731336	0.688947	-1.953125	-19.531250	5.859375
2413	0.023823	0.851301	0.619618	-56.640625	17.578125	-15.625000
2414	-0.091956	0.792031	0.565521	-171.875000	87.890625	-25.390625
2415	-0.261424	0.650218	0.489313	-250.000000	44.921875	-50.781250
2416	-0.306854	0.333881	0.237338	-250.000000	-23.437500	-9.765625
2417	-0.296613	-0.105921	-0.088847	-250.000000	-11.718750	-35.156250
2418	-0.190468	-0.513553	-0.372058	-250.000000	9.765625	-111.328125
2419	-0.108031	-0.751882	-0.610735	-207.031250	17.578125	-64.453125
2420	-0.014818	-0.801129	-0.785191	-134.765625	37.109375	-5.859375
2421	-0.027641	-0.768177	-0.883615	-101.562500	33.203125	17.578125
2422	0.008415	-0.673406	-0.948919	-70.312500	44.921875	11.718750
2423	0.067549	-0.647794	-1.025601	-39.062500	66.406250	-37.109375
2424	0.353030	-0.638676	-0.877861	83.984375	42.968750	-74.218750
2425	0.405568	-0.495706	-0.889216	-11.718750	-78.125000	-66.406250
2426	0.355841	-0.391173	-0.896030	-9.765625	9.765625	3.906250
2427	0.313504	-0.359704	-0.918868	-13.671875	3.906250	1.953125
2428	0.375603	-0.384572	-0.926321	15.625000	1.953125	-35.156250
2429	0.425362	-0.330743	-0.905792	3.906250	-3.906250	-13.671875
2430	0.411467	-0.317196	-0.918475	-9.765625	-3.906250	13.671875
2431	0.406572	-0.318307	-0.922075	0.000000	-1.953125	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2432	0.406443	-0.322234	-0.921995	0.000000	-1.953125	-3.906250
2433	0.406366	-0.318341	-0.921947	0.000000	-1.953125	-1.953125
2434	0.406319	-0.316004	-0.921918	0.000000	-1.953125	0.000000
2435	0.406292	-0.314603	-0.921901	0.000000	-1.953125	0.000000
2436	0.406275	-0.320012	-0.921891	-1.953125	0.000000	0.000000
2437	0.437515	-0.323257	-0.915634	-5.859375	-11.718750	13.671875
2438	0.575009	-0.518954	-0.930631	-21.484375	-33.203125	136.718750
2439	0.613755	-0.780122	-0.970878	91.796875	19.531250	62.500000
2440	0.537003	-1.036823	-1.070027	130.859375	37.109375	-9.765625
2441	0.359702	-1.115844	-1.317016	248.046875	87.890625	-27.343750
2442	0.309571	-0.988256	-1.421460	248.046875	37.109375	76.171875
2443	0.310743	-0.655454	-1.221626	248.046875	58.593750	87.890625
2444	0.286446	-0.218272	-0.801726	248.046875	87.890625	58.593750
2445	0.121867	0.375287	-0.374785	238.281250	93.750000	-1.953125
2446	-0.045630	0.656422	0.062629	-19.531250	17.578125	-9.765625
2447	-0.108628	0.618853	0.350077	-7.812500	15.625000	0.000000
2448	-0.152677	0.627562	0.516296	-3.906250	9.765625	-5.859375
2449	-0.191606	0.651537	0.603528	1.953125	1.953125	0.000000
2450	-0.202464	0.665922	0.649617	0.000000	0.000000	3.906250
2451	-0.202728	0.655803	0.671020	1.953125	0.000000	5.859375
2452	-0.196637	0.662232	0.677612	0.000000	-3.906250	5.859375
2453	-0.186732	0.653589	0.694067	-1.953125	-1.953125	1.953125
2454	-0.187039	0.654654	0.697690	3.906250	0.000000	-1.953125
2455	-0.187224	0.686542	0.693614	3.906250	0.000000	5.859375
2456	-0.174834	0.686925	0.697419	11.718750	-3.906250	-11.718750
2457	-0.086150	0.780905	0.649701	11.718750	7.812500	-25.390625
2458	-0.170440	0.906043	0.533571	-64.453125	128.906250	41.015625
2459	-0.364764	0.856126	0.457642	-236.328125	76.171875	25.390625
2460	-0.325109	0.626176	0.393335	-250.000000	-50.781250	-101.562500
2461	-0.226315	0.175705	0.186001	-250.000000	-3.906250	-5.859375
2462	-0.185789	-0.200827	-0.038399	-250.000000	15.625000	-74.218750
2463	-0.180223	-0.489246	-0.291790	-250.000000	44.921875	-68.359375
2464	-0.145634	-0.649798	-0.525074	-195.312500	44.921875	-39.062500
2465	-0.087380	-0.758629	-0.746294	-162.109375	41.015625	-23.437500
2466	-0.064928	-0.761427	-0.897777	-103.515625	44.921875	-11.718750
2467	-0.007707	-0.800606	-1.007416	-50.781250	78.125000	-87.890625
2468	0.389126	-0.799114	-1.041950	41.015625	46.875000	-80.078125
2469	0.420975	-0.648218	-0.950170	-11.718750	-33.203125	-17.578125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2470	0.371335	-0.482681	-0.951352	0.000000	-1.953125	-37.109375
2471	0.322801	-0.420859	-0.945811	-7.812500	7.812500	23.437500
2472	0.337431	-0.371265	-0.954987	11.718750	1.953125	-29.296875
2473	0.396208	-0.341509	-0.935492	9.765625	1.953125	-11.718750
2474	0.400225	-0.329905	-0.930045	-5.859375	-5.859375	0.000000
2475	0.377635	-0.322943	-0.933027	-5.859375	0.000000	9.765625
2476	0.370331	-0.331266	-0.934816	-1.953125	0.000000	3.906250
2477	0.378449	-0.330010	-0.929640	1.953125	-1.953125	-1.953125
2478	0.383319	-0.329256	-0.926534	-1.953125	-3.906250	0.000000
2479	0.379992	-0.322553	-0.930920	-1.953125	-1.953125	1.953125
2480	0.377995	-0.324782	-0.933552	0.000000	-1.953125	-1.953125
2481	0.369397	-0.325153	-0.932897	-1.953125	-1.953125	0.000000
2482	0.371638	-0.326342	-0.934738	-1.953125	-1.953125	1.953125
2483	0.372983	-0.327055	-0.935843	-1.953125	0.000000	0.000000
2484	0.373790	-0.333733	-0.936506	-1.953125	-1.953125	0.000000
2485	0.374274	-0.325240	-0.936903	-1.953125	-1.953125	-1.953125
2486	0.387064	-0.307644	-0.930892	-7.812500	-3.906250	15.625000
2487	0.413489	-0.334586	-0.921035	-31.250000	-9.765625	58.593750
2488	0.485593	-0.563252	-1.002621	-44.921875	-93.750000	82.031250
2489	0.478856	-0.781701	-1.139073	46.875000	-37.109375	-50.781250
2490	0.356064	-0.912771	-1.302194	146.484375	107.421875	-95.703125
2491	0.213638	-0.903912	-1.537566	248.046875	175.781250	-111.328125
2492	0.284433	-0.711097	-1.678790	248.046875	152.343750	99.609375
2493	0.264410	-0.345408	-1.351024	248.046875	144.531250	80.078125
2494	0.146146	0.030255	-0.791864	248.046875	87.890625	17.578125
2495	0.006438	0.611903	-0.300119	224.609375	76.171875	-21.484375
2496	-0.089887	0.735892	0.094929	-39.062500	15.625000	-3.906250
2497	-0.110182	0.704035	0.394457	-15.625000	9.765625	-3.906250
2498	-0.116109	0.672421	0.561674	3.906250	9.765625	-5.859375
2499	-0.138416	0.678453	0.630755	-3.906250	0.000000	9.765625
2500	-0.120549	0.663322	0.665953	-1.953125	0.000000	13.671875
2501	-0.116080	0.666743	0.687072	0.000000	0.000000	1.953125
2502	-0.119648	0.662546	0.693493	0.000000	1.953125	0.000000
2503	-0.128039	0.672527	0.697346	-3.906250	3.906250	1.953125
2504	-0.126823	0.672266	0.712157	0.000000	1.953125	0.000000
2505	-0.132344	0.678360	0.714794	0.000000	0.000000	0.000000
2506	-0.129406	0.700766	0.716377	-3.906250	0.000000	7.812500
2507	-0.027644	0.757960	0.686076	-56.640625	17.578125	42.968750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2508	-0.041586	0.754776	0.692896	-93.750000	44.921875	-54.687500
2509	-0.174952	0.571615	0.734487	-164.062500	56.640625	-23.437500
2510	-0.286221	0.299219	0.759442	-93.750000	7.812500	-76.171875
2511	-0.284233	0.129532	0.705665	-150.390625	-3.906250	-27.343750
2512	-0.276790	0.021469	0.460899	-250.000000	-9.765625	37.109375
2513	-0.266074	-0.130869	0.101540	-250.000000	11.718750	-41.015625
2514	-0.240894	-0.272271	-0.339076	-250.000000	42.968750	-41.015625
2515	-0.200787	-0.575863	-0.747196	-250.000000	72.265625	-156.250000
2516	-0.089222	-0.758018	-1.048317	-199.218750	-25.390625	-138.671875
2517	0.040217	-0.729811	-1.128990	7.812500	101.562500	-70.312500
2518	0.311630	-0.750386	-1.021144	113.281250	85.937500	-89.843750
2519	0.374478	-0.562732	-0.956437	-1.953125	-46.875000	-50.781250
2520	0.349687	-0.443889	-0.961362	-7.812500	21.484375	0.000000
2521	0.303562	-0.385083	-0.958067	-23.437500	1.953125	19.531250
2522	0.332137	-0.387300	-0.956090	-7.812500	-9.765625	-9.765625
2523	0.361782	-0.376130	-0.936154	3.906250	3.906250	-1.953125
2524	0.373319	-0.350678	-0.936693	0.000000	-5.859375	1.953125
2525	0.348992	-0.329157	-0.943266	-3.906250	1.953125	9.765625
2526	0.346895	-0.328744	-0.940959	-1.953125	-1.953125	-3.906250
2527	0.351887	-0.322246	-0.939576	0.000000	-1.953125	-1.953125
2528	0.354882	-0.318348	-0.938745	-3.906250	-1.953125	3.906250
2529	0.350429	-0.316009	-0.938247	-1.953125	-1.953125	0.000000
2530	0.347758	-0.320855	-0.944198	0.000000	0.000000	-1.953125
2531	0.350429	-0.316009	-0.938247	-1.953125	-1.953125	0.000000
2532	0.347758	-0.320855	-0.944198	0.000000	0.000000	-1.953125
2533	0.352405	-0.311263	-0.941519	0.000000	-1.953125	-1.953125
2534	0.355193	-0.311758	-0.939911	-3.906250	0.000000	3.906250
2535	0.350616	-0.312055	-0.938947	-1.953125	0.000000	5.859375
2536	0.354119	-0.280983	-0.944618	-19.531250	-3.906250	46.875000
2537	0.368722	-0.324840	-0.941771	-54.687500	-19.531250	142.578125
2538	0.396233	-0.538654	-1.002563	-35.156250	-39.062500	85.937500
2539	0.337740	-0.704442	-1.095288	54.687500	44.921875	3.906250
2540	0.215144	-0.860165	-1.200923	134.765625	60.546875	-82.031250
2541	0.185336	-0.922349	-1.351804	236.328125	7.812500	-83.984375
2542	0.223702	-0.878410	-1.473582	248.046875	0.000000	-3.906250
2543	0.252971	-0.695796	-1.465399	248.046875	44.921875	44.921875
2544	0.295533	-0.398727	-1.079240	248.046875	62.500000	35.156250
2545	0.164820	-0.032986	-0.553794	248.046875	111.328125	-33.203125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2546	-0.026108	0.605208	-0.213526	232.421875	103.515625	-17.578125
2547	-0.121915	0.769375	0.140634	-66.406250	-17.578125	13.671875
2548	-0.141899	0.680375	0.421881	-7.812500	19.531250	15.625000
2549	-0.147639	0.683225	0.571878	-1.953125	5.859375	3.906250
2550	-0.157334	0.672435	0.643127	3.906250	-1.953125	3.906250
2551	-0.144400	0.647211	0.673376	1.953125	-1.953125	3.906250
2552	-0.130390	0.657077	0.691526	5.859375	-3.906250	0.000000
2553	-0.128234	0.662996	0.696165	5.859375	-5.859375	-3.906250
2554	-0.126940	0.672798	0.692699	3.906250	-3.906250	-3.906250
2555	-0.113664	0.666179	0.678120	-1.953125	-3.906250	-1.953125
2556	-0.099449	0.668457	0.675622	-7.812500	5.859375	-9.765625
2557	-0.084669	0.719824	0.692873	-11.718750	1.953125	-7.812500
2558	-0.063301	0.769395	0.690724	-125.000000	89.843750	76.171875
2559	-0.287981	0.742887	0.664434	-136.718750	91.796875	9.765625
2560	-0.429039	0.664482	0.561161	-193.359375	17.578125	-9.765625
2561	-0.301173	0.348689	0.374196	-250.000000	-37.109375	-23.437500
2562	-0.086954	-0.234536	0.099518	-250.000000	13.671875	-82.031250
2563	-0.058422	-0.565722	-0.215289	-250.000000	56.640625	-56.640625
2564	-0.141303	-0.689433	-0.429174	-207.031250	54.687500	3.906250
2565	-0.178532	-0.807410	-0.632504	-183.593750	44.921875	-52.734375
2566	-0.069619	-0.940696	-0.842002	-150.390625	-44.921875	-101.562500
2567	0.108228	-0.883168	-0.917701	-52.734375	0.000000	-76.171875
2568	0.171187	-0.736151	-0.969371	-1.953125	76.171875	-17.578125
2569	0.208962	-0.635440	-0.981623	-11.718750	7.812500	-5.859375
2570	0.300377	-0.518764	-0.951474	27.343750	27.343750	-44.921875
2571	0.342726	-0.442509	-0.939634	-5.859375	1.953125	-3.906250
2572	0.330636	-0.384255	-0.945030	-13.671875	5.859375	11.718750
2573	0.323382	-0.361803	-0.948268	-11.718750	3.906250	0.000000
2574	0.331529	-0.360832	-0.950211	-1.953125	0.000000	1.953125
2575	0.342667	-0.347749	-0.945127	1.953125	-1.953125	-9.765625
2576	0.351535	-0.301553	-0.952752	-1.953125	0.000000	3.906250
2577	0.354671	-0.299682	-0.946651	0.000000	0.000000	0.000000
2578	0.350303	-0.298559	-0.942991	-1.953125	0.000000	0.000000
2579	0.347682	-0.304135	-0.947044	-1.953125	-1.953125	1.953125
2580	0.346109	-0.307481	-0.949477	-1.953125	-1.953125	0.000000
2581	0.345165	-0.303239	-0.950936	0.000000	-1.953125	0.000000
2582	0.369599	-0.306943	-0.958062	-5.859375	-5.859375	9.765625
2583	0.484260	-0.427916	-1.006087	-46.875000	-80.078125	113.281250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2584	0.546806	-0.706750	-1.109902	37.109375	-41.015625	80.078125
2585	0.315583	-0.867800	-1.203441	31.250000	50.781250	-250.000000
2586	0.245600	-0.908180	-1.347065	136.718750	160.156250	-130.859375
2587	0.241110	-0.682408	-1.514489	248.046875	205.078125	62.500000
2588	0.275916	-0.471945	-1.421193	248.046875	128.906250	132.812500
2589	0.315550	-0.308167	-1.090216	248.046875	142.578125	27.343750
2590	0.170580	0.015100	-0.566630	248.046875	203.125000	41.015625
2591	-0.185152	0.802810	-0.183728	212.890625	156.250000	-39.062500
2592	-0.236091	0.681686	0.227263	-46.875000	-9.765625	19.531250
2593	-0.247905	0.634012	0.480108	1.953125	1.953125	15.625000
2594	-0.267493	0.599157	0.600565	3.906250	-9.765625	5.859375
2595	-0.260496	0.596994	0.647839	1.953125	-5.859375	9.765625
2596	-0.237547	0.601947	0.688703	0.000000	-7.812500	0.000000
2597	-0.230028	0.604918	0.713222	3.906250	0.000000	1.953125
2598	-0.219267	0.612951	0.715433	0.000000	-1.953125	5.859375
2599	-0.219060	0.642770	0.741760	-7.812500	1.953125	41.015625
2600	-0.156436	0.691912	0.720056	-42.968750	11.718750	101.562500
2601	-0.062612	0.733897	0.657034	-97.656250	82.031250	3.906250
2602	-0.250067	0.684088	0.537970	-250.000000	76.171875	-27.343750
2603	-0.200040	0.460453	0.241532	-250.000000	-80.078125	-64.453125
2604	-0.070024	-0.048728	-0.423831	-250.000000	15.625000	5.859375
2605	-0.092014	-0.410487	-0.898048	-250.000000	119.140625	-64.453125
2606	-0.092709	-0.783792	-1.026329	-218.750000	42.968750	-64.453125
2607	-0.149375	-0.807775	-1.078297	-95.703125	54.687500	89.843750
2608	-0.052125	-0.815915	-1.059478	-56.640625	19.531250	-83.984375
2609	0.287475	-0.889549	-1.073187	60.546875	150.390625	-42.968750
2610	0.441235	-0.608729	-0.962662	13.671875	-31.250000	-89.843750
2611	0.433491	-0.446488	-0.983847	9.765625	-13.671875	11.718750
2612	0.353845	-0.355393	-0.952808	1.953125	13.671875	13.671875
2613	0.349807	-0.325736	-0.934185	-5.859375	-13.671875	17.578125
2614	0.397384	-0.339191	-0.935511	7.812500	5.859375	-5.859375
2615	0.419680	-0.334765	-0.923807	0.000000	-3.906250	1.953125
2616	0.401808	-0.319609	-0.929284	-7.812500	-1.953125	3.906250
2617	0.384835	-0.323015	-0.938820	-1.953125	0.000000	-1.953125
2618	0.399651	-0.318809	-0.932042	1.953125	-1.953125	-7.812500
2619	0.408541	-0.310036	-0.927975	-1.953125	-1.953125	0.000000
2620	0.401374	-0.304771	-0.931785	-1.953125	0.000000	1.953125
2621	0.397075	-0.301613	-0.934071	0.000000	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2622	0.353223	-0.354198	-0.925475	-1.953125	0.000000	1.953125
2623	0.349434	-0.356269	-0.924035	0.000000	-1.953125	0.000000
2624	0.353410	-0.345011	-0.923171	1.953125	-1.953125	-1.953125
2625	0.368296	-0.344507	-0.922653	-5.859375	-1.953125	3.906250
2626	0.370978	-0.350454	-0.922342	-7.812500	-5.859375	3.906250
2627	0.366337	-0.329022	-0.928405	-15.625000	-1.953125	41.015625
2628	0.363552	-0.384913	-0.913293	-21.484375	-15.625000	140.625000
2629	0.243131	-0.768448	-0.991726	-15.625000	-52.734375	248.046875
2630	0.114629	-0.961069	-1.070035	68.359375	-39.062500	-148.437500
2631	0.062527	-1.114141	-1.285771	121.093750	41.015625	-250.000000
2632	-0.043734	-0.968485	-1.515213	248.046875	134.765625	-132.812500
2633	0.067510	-0.781091	-1.590378	248.046875	68.359375	78.125000
2634	0.203006	-0.456155	-1.285477	248.046875	87.890625	105.468750
2635	0.228054	-0.048693	-0.771286	248.046875	136.718750	31.250000
2636	0.030582	0.683284	-0.250272	203.125000	105.468750	-46.875000
2637	-0.081651	0.659971	0.149837	-39.062500	1.953125	-7.812500
2638	-0.111490	0.620982	0.433652	3.906250	3.906250	11.718750
2639	-0.141894	0.628839	0.572691	3.906250	0.000000	-1.953125
2640	-0.160137	0.614804	0.643615	1.953125	-3.906250	-3.906250
2641	-0.164832	0.625132	0.686169	0.000000	-9.765625	-1.953125
2642	-0.161399	0.643829	0.711701	0.000000	-7.812500	7.812500
2643	-0.140589	0.642548	0.727021	0.000000	-1.953125	15.625000
2644	-0.128104	0.660529	0.729962	0.000000	5.859375	7.812500
2645	-0.001862	0.727567	0.694227	-21.484375	11.718750	101.562500
2646	0.067633	0.842790	0.635286	-68.359375	105.468750	25.390625
2647	-0.071920	0.755674	0.568672	-232.421875	89.843750	-42.968750
2648	-0.124402	0.453405	0.366203	-250.000000	31.250000	-62.500000
2649	-0.224641	-0.002957	-0.036528	-250.000000	58.593750	19.531250
2650	-0.284785	-0.295524	-0.421917	-250.000000	78.125000	17.578125
2651	-0.214621	-0.539815	-0.640650	-238.281250	76.171875	-154.296875
2652	-0.122523	-0.748889	-0.884390	-187.500000	78.125000	-44.921875
2653	-0.086014	-0.761833	-1.080634	-119.140625	95.703125	-7.812500
2654	-0.014108	-0.769600	-1.110880	-46.875000	39.062500	-52.734375
2655	0.322785	-0.730510	-0.997778	97.656250	83.984375	-70.312500
2656	0.406171	-0.600806	-0.948667	-13.671875	-33.203125	-35.156250
2657	0.381203	-0.447984	-0.962950	3.906250	5.859375	-3.906250
2658	0.347472	-0.375040	-0.952770	-1.953125	-1.953125	9.765625
2659	0.370983	-0.356274	-0.940412	3.906250	-1.953125	-9.765625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2660	0.403840	-0.357514	-0.926747	0.000000	-3.906250	-5.859375
2661	0.404804	-0.333259	-0.931048	-3.906250	-3.906250	0.000000
2662	0.386632	-0.312455	-0.933629	-3.906250	-1.953125	5.859375
2663	0.419479	-0.349973	-0.928927	3.906250	-7.812500	33.203125
2664	0.426688	-0.409984	-0.932356	17.578125	17.578125	85.937500
2665	0.399763	-0.470990	-0.928164	68.359375	29.296875	54.687500
2666	0.389858	-0.601344	-0.875648	99.609375	37.109375	46.875000
2667	0.437137	-0.358889	-0.890629	0.000000	0.000000	-1.953125
2668	0.437282	-0.359083	-0.890627	-1.953125	-1.953125	-1.953125
2669	0.437369	-0.359200	-0.890626	-1.953125	-1.953125	-1.953125
2670	0.437422	-0.359270	-0.896876	0.000000	-1.953125	-5.859375
2671	0.443703	-0.353062	-0.900625	0.000000	-1.953125	-5.859375
2672	0.447472	-0.355587	-0.902875	7.812500	0.000000	-7.812500
2673	0.462233	-0.388352	-0.916725	11.718750	-3.906250	-13.671875
2674	0.583590	-0.514261	-0.993785	60.546875	-15.625000	-41.015625
2675	0.787654	-0.633557	-1.115021	113.281250	9.765625	83.984375
2676	0.860092	-0.880134	-1.181513	181.640625	126.953125	-7.812500
2677	0.834805	-0.878080	-1.046408	164.062500	248.046875	-140.625000
2678	0.663383	-0.645598	-0.684095	64.453125	248.046875	-187.500000
2679	0.391780	-0.399859	-0.404207	-64.453125	208.984375	-244.140625
2680	0.297568	-0.452415	-0.223774	-130.859375	54.687500	-109.375000
2681	0.278541	-0.458949	0.128236	5.859375	21.484375	-27.343750
2682	0.348374	-0.350370	0.420691	3.906250	-1.953125	-15.625000
2683	0.402775	-0.360222	0.589915	-1.953125	1.953125	-27.343750
2684	0.429165	-0.359883	0.685199	-1.953125	-5.859375	-17.578125
2685	0.444999	-0.347180	0.742369	3.906250	3.906250	0.000000
2686	0.466999	-0.339558	0.776672	11.718750	-1.953125	3.906250
2687	0.486450	-0.309985	0.803503	11.718750	3.906250	-1.953125
2688	0.479370	-0.273491	0.819602	7.812500	3.906250	17.578125
2689	0.425122	-0.232845	0.810511	-5.859375	3.906250	39.062500
2690	0.298823	-0.333457	0.717557	1.953125	-15.625000	166.015625
2691	0.191794	-0.331324	0.580534	35.156250	-113.281250	169.921875
2692	0.133826	-0.305044	0.467070	-27.343750	-193.359375	138.671875
2693	0.174046	-0.289277	0.273992	-158.203125	-230.468750	123.046875
2694	0.285677	-0.567316	-0.148105	-250.000000	-195.312500	76.171875
2695	0.540156	-0.802890	-0.501363	-201.171875	-156.250000	-107.421875
2696	0.686594	-0.694234	-0.763318	-107.421875	-41.015625	-160.156250
2697	0.643206	-0.654040	-1.007991	-166.015625	-9.765625	119.140625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2698	0.879674	-0.811174	-0.986044	-1.953125	27.343750	60.546875
2699	0.715304	-0.549204	-0.985377	82.031250	-23.437500	-126.953125
2700	0.560433	-0.423273	-0.941226	1.953125	23.437500	25.390625
2701	0.467510	-0.391464	-0.927236	3.906250	-5.859375	-1.953125
2702	0.461756	-0.359878	-0.931341	17.578125	-27.343750	-21.484375
2703	0.558303	-0.272177	-0.908805	13.671875	5.859375	-31.250000
2704	0.528732	-0.282056	-0.901533	0.000000	-5.859375	15.625000
2705	0.479739	-0.294234	-0.884670	-11.718750	3.906250	15.625000
2706	0.475344	-0.326540	-0.893302	-13.671875	0.000000	17.578125
2707	0.485206	-0.333424	-0.885981	-3.906250	3.906250	7.812500
2708	0.472374	-0.337554	-0.887839	1.953125	0.000000	-7.812500
2709	0.464674	-0.327533	-0.888953	1.953125	0.000000	-3.906250
2710	0.472555	-0.321520	-0.889622	0.000000	0.000000	1.953125
2711	0.471033	-0.324162	-0.890023	0.000000	-1.953125	-1.953125
2712	0.468928	-0.328905	-0.890561	0.000000	-1.953125	-3.906250
2713	0.468857	-0.328593	-0.890587	0.000000	-1.953125	-1.953125
2714	0.468814	-0.328406	-0.890602	-1.953125	-1.953125	-1.953125
2715	0.468788	-0.328293	-0.890611	-1.953125	-1.953125	-5.859375
2716	0.475023	-0.328226	-0.890617	0.000000	-1.953125	-5.859375
2717	0.472514	-0.334436	-0.890620	3.906250	0.000000	-1.953125
2718	0.489758	-0.338161	-0.896872	9.765625	-1.953125	-9.765625
2719	0.531355	-0.384147	-0.938123	15.625000	-13.671875	-15.625000
2720	0.631313	-0.486738	-1.106624	54.687500	-46.875000	-31.250000
2721	0.716288	-0.654543	-1.320224	123.046875	-37.109375	48.828125
2722	0.742273	-0.648976	-1.304635	128.906250	7.812500	33.203125
2723	0.614114	-0.658135	-1.139031	64.453125	248.046875	-212.890625
2724	0.512218	-0.651131	-0.895918	-42.968750	248.046875	-250.000000
2725	0.226081	-0.428179	-0.700051	-95.703125	248.046875	-160.156250
2726	0.148149	-0.563157	-0.257531	-95.703125	15.625000	-17.578125
2727	0.301389	-0.419144	0.145482	44.921875	-9.765625	17.578125
2728	0.380833	-0.301487	0.437289	-7.812500	-9.765625	5.859375
2729	0.434750	-0.318392	0.606123	-9.765625	-3.906250	-11.718750
2730	0.473350	-0.316035	0.688674	-9.765625	-11.718750	-13.671875
2731	0.502760	-0.327121	0.731954	-1.953125	0.000000	1.953125
2732	0.520406	-0.321273	0.757923	7.812500	-1.953125	-1.953125
2733	0.524744	-0.305264	0.779754	-1.953125	-1.953125	-1.953125
2734	0.521096	-0.308158	0.792852	1.953125	0.000000	-3.906250
2735	0.525158	-0.297395	0.800711	0.000000	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2736	0.540095	-0.290937	0.805427	1.953125	1.953125	0.000000
2737	0.536557	-0.287062	0.808256	-1.953125	0.000000	-1.953125
2738	0.534434	-0.297237	0.809954	-1.953125	-3.906250	-1.953125
2739	0.539410	-0.290842	0.810972	0.000000	-1.953125	-1.953125
2740	0.542396	-0.299505	0.811583	0.000000	0.000000	1.953125
2741	0.544188	-0.298453	0.811950	1.953125	1.953125	1.953125
2742	0.532763	-0.297822	0.799670	1.953125	0.000000	1.953125
2743	0.532158	-0.309943	0.773552	9.765625	-1.953125	109.375000
2744	0.406795	-0.285966	0.714131	31.250000	-15.625000	175.781250
2745	0.294077	-0.296580	0.622229	64.453125	-74.218750	93.750000
2746	0.220196	-0.259198	0.579587	19.531250	-156.250000	93.750000
2747	0.288368	-0.230519	0.460252	-60.546875	-199.218750	91.796875
2748	0.429271	-0.394561	0.188651	-166.015625	-207.031250	111.328125
2749	0.538812	-0.724237	-0.149309	-197.265625	-154.296875	52.734375
2750	0.573287	-0.865792	-0.427085	-144.531250	-76.171875	70.312500
2751	0.550222	-0.963225	-0.625001	-83.984375	-11.718750	-5.859375
2752	0.505133	-0.802935	-0.743751	-52.734375	-11.718750	-123.046875
2753	0.496830	-0.656761	-0.877500	-78.125000	-29.296875	-42.968750
2754	0.716848	-0.637807	-0.945250	5.859375	11.718750	-17.578125
2755	0.605109	-0.457684	-0.942150	27.343750	-9.765625	-17.578125
2756	0.500565	-0.380860	-0.909040	-5.859375	11.718750	25.390625
2757	0.431589	-0.366016	-0.901674	-21.484375	0.000000	-1.953125
2758	0.427704	-0.363360	-0.916004	-9.765625	-11.718750	-9.765625
2759	0.475372	-0.336766	-0.912103	1.953125	3.906250	0.000000
2760	0.460223	-0.339560	-0.916012	-3.906250	-1.953125	3.906250
2761	0.437407	-0.302175	-0.916992	0.000000	-1.953125	-3.906250
2762	0.437444	-0.300055	-0.912695	0.000000	-1.953125	-3.906250
2763	0.437466	-0.305033	-0.910117	0.000000	-1.953125	-3.906250
2764	0.437480	-0.308020	-0.914820	1.953125	-1.953125	-5.859375
2765	0.443738	-0.316062	-0.917642	5.859375	-1.953125	-7.812500
2766	0.472493	-0.358387	-0.931835	21.484375	-13.671875	-21.484375
2767	0.508496	-0.427532	-0.971601	44.921875	-23.437500	-39.062500
2768	0.548847	-0.475269	-1.014211	82.031250	-17.578125	-35.156250
2769	0.591808	-0.516412	-1.058526	109.375000	5.859375	-19.531250
2770	0.673835	-0.659847	-1.078866	87.890625	13.671875	-35.156250
2771	0.791801	-0.658408	-0.972320	78.125000	138.671875	-68.359375
2772	0.818831	-0.613795	-0.727142	23.437500	248.046875	-181.640625
2773	0.766298	-0.512027	-0.417535	-68.359375	248.046875	-244.140625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2774	0.647279	-0.375966	-0.213021	-117.187500	207.031250	-111.328125
2775	0.450867	-0.413080	-0.102813	-146.484375	95.703125	68.359375
2776	0.383020	-0.422848	0.169562	46.875000	21.484375	-37.109375
2777	0.354812	-0.272459	0.464237	23.437500	13.671875	5.859375
2778	0.375387	-0.288475	0.628542	-9.765625	-5.859375	-3.906250
2779	0.368982	-0.304335	0.727125	3.906250	-3.906250	0.000000
2780	0.390139	-0.288851	0.792525	-1.953125	-7.812500	5.859375
2781	0.402834	-0.292061	0.825515	-1.953125	-3.906250	1.953125
2782	0.416700	-0.300236	0.839059	1.953125	-5.859375	7.812500
2783	0.431270	-0.286392	0.853435	1.953125	-5.859375	1.953125
2784	0.440012	-0.296835	0.855811	0.000000	-1.953125	0.000000
2785	0.445257	-0.303101	0.857237	1.953125	-1.953125	-3.906250
2786	0.435904	-0.294361	0.864342	-1.953125	-1.953125	0.000000
2787	0.436543	-0.295366	0.862355	0.000000	-3.906250	-3.906250
2788	0.436926	-0.295970	0.861163	0.000000	-1.953125	3.906250
2789	0.437155	-0.290082	0.866698	3.906250	-3.906250	0.000000
2790	0.437293	-0.280299	0.863769	0.000000	-3.906250	-1.953125
2791	0.443626	-0.274429	0.868261	0.000000	-1.953125	-3.906250
2792	0.447426	-0.283408	0.864707	-1.953125	-1.953125	0.000000
2793	0.449705	-0.282545	0.862574	-1.953125	-1.953125	0.000000
2794	0.444823	-0.282027	0.861294	-1.953125	-1.953125	-1.953125
2795	0.448144	-0.281716	0.866777	0.000000	-1.953125	-1.953125
2796	0.450136	-0.281530	0.863816	-1.953125	-1.953125	-1.953125
2797	0.445082	-0.281418	0.855790	-1.953125	-1.953125	1.953125
2798	0.398299	-0.306351	0.819724	0.000000	-11.718750	62.500000
2799	0.345229	-0.321310	0.729334	33.203125	-41.015625	119.140625
2800	0.225888	-0.299036	0.612601	50.781250	-87.890625	134.765625
2801	0.129283	-0.235672	0.480060	-33.203125	-179.687500	123.046875
2802	0.171320	-0.297653	0.188036	-175.781250	-250.000000	82.031250
2803	0.321542	-0.622342	-0.312178	-208.984375	-232.421875	68.359375
2804	0.586675	-0.848405	-0.662307	-169.921875	-193.359375	-9.765625
2805	0.614505	-0.815293	-0.847384	-95.703125	-21.484375	-44.921875
2806	0.618703	-0.614176	-0.970931	-76.171875	-29.296875	-11.718750
2807	0.589972	-0.637256	-0.995058	-39.062500	48.828125	60.546875
2808	0.566483	-0.513603	-1.003285	48.828125	-21.484375	-113.281250
2809	0.477390	-0.351912	-0.958221	-5.859375	11.718750	-1.953125
2810	0.436434	-0.348647	-0.943683	-15.625000	0.000000	13.671875
2811	0.493110	-0.334188	-0.947460	13.671875	-1.953125	-46.875000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2812	0.508366	-0.275513	-0.930976	0.000000	1.953125	15.625000
2813	0.486270	-0.284058	-0.927335	-9.765625	0.000000	25.390625
2814	0.448012	-0.295435	-0.925151	-9.765625	1.953125	7.812500
2815	0.437557	-0.308511	-0.923841	-3.906250	0.000000	7.812500
2816	0.443784	-0.303856	-0.916804	-1.953125	0.000000	0.000000
2817	0.441271	-0.301064	-0.918833	-3.906250	-1.953125	1.953125
2818	0.433512	-0.305638	-0.920050	-1.953125	-1.953125	0.000000
2819	0.435107	-0.302133	-0.920780	0.000000	0.000000	-3.906250
2820	0.436038	-0.303370	-0.913324	1.953125	-1.953125	-7.812500
2821	0.436623	-0.307022	-0.916744	3.906250	-3.906250	-15.625000
2822	0.436974	-0.309213	-0.918797	7.812500	-3.906250	-17.578125
2823	0.449684	-0.323028	-0.926278	17.578125	-9.765625	-19.531250
2824	0.444811	-0.343817	-0.930767	23.437500	-13.671875	-5.859375
2825	0.460636	-0.393790	-0.958460	39.062500	-29.296875	-31.250000
2826	0.488882	-0.436274	-1.006326	62.500000	-42.968750	-37.109375
2827	0.505829	-0.511764	-1.066296	83.984375	-46.875000	-7.812500
2828	0.497247	-0.625809	-1.096027	101.562500	-39.062500	-7.812500
2829	0.517098	-0.662985	-1.101366	50.781250	0.000000	-48.828125
2830	0.529009	-0.629041	-1.004570	5.859375	160.156250	-83.984375
2831	0.567405	-0.589925	-0.833992	-111.328125	248.046875	-82.031250
2832	0.596693	-0.603955	-0.656645	-105.468750	248.046875	-103.515625
2833	0.551766	-0.524873	-0.437737	-111.328125	248.046875	-152.343750
2834	0.418560	-0.358674	-0.206392	-97.656250	158.203125	-1.953125
2835	0.507386	-0.496454	0.107415	-39.062500	-3.906250	-11.718750
2836	0.485681	-0.335373	0.358199	35.156250	52.734375	-39.062500
2837	0.547659	-0.326224	0.521169	-9.765625	0.000000	-17.578125
2838	0.534845	-0.283234	0.618952	-1.953125	0.000000	-3.906250
2839	0.552157	-0.301190	0.683871	-3.906250	-9.765625	-7.812500
2840	0.575044	-0.293214	0.729073	0.000000	-3.906250	-5.859375
2841	0.601277	-0.300929	0.749944	-3.906250	-1.953125	-1.953125
2842	0.592016	-0.299307	0.756216	0.000000	-1.953125	0.000000
2843	0.598960	-0.298334	0.766230	-3.906250	-3.906250	1.953125
2844	0.590626	-0.304001	0.772238	-1.953125	-1.953125	3.906250
2845	0.591875	-0.307400	0.769593	0.000000	0.000000	1.953125
2846	0.592625	-0.303190	0.768006	0.000000	0.000000	-1.953125
2847	0.593075	-0.300664	0.773303	-1.953125	-1.953125	-1.953125
2848	0.599595	-0.317898	0.770232	0.000000	0.000000	0.000000
2849	0.609757	-0.309489	0.768389	1.953125	0.000000	1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2850	0.609604	-0.304443	0.767284	0.000000	0.000000	3.906250
2851	0.603263	-0.301416	0.772870	-1.953125	0.000000	0.000000
2852	0.599458	-0.305850	0.769972	-1.953125	0.000000	-1.953125
2853	0.597175	-0.302260	0.768233	1.953125	-1.953125	1.953125
2854	0.595805	-0.306356	0.767190	5.859375	1.953125	13.671875
2855	0.576233	-0.308814	0.766564	25.390625	1.953125	21.484375
2856	0.533240	-0.272788	0.734938	44.921875	11.718750	58.593750
2857	0.451194	-0.257423	0.684713	35.156250	-27.343750	123.046875
2858	0.370716	-0.279454	0.598328	17.578125	-103.515625	152.343750
2859	0.328680	-0.348922	0.477747	-21.484375	-162.109375	105.468750
2860	0.378458	-0.403103	0.305398	-76.171875	-199.218750	52.734375
2861	0.464575	-0.529362	0.058239	-146.484375	-224.609375	113.281250
2862	0.509995	-0.680117	-0.302557	-138.671875	-95.703125	39.062500
2863	0.555997	-0.708070	-0.575284	-158.203125	-140.625000	9.765625
2864	0.552348	-0.749842	-0.788920	-87.890625	-70.312500	-37.109375
2865	0.606409	-0.631155	-0.917102	-70.312500	-19.531250	-50.781250
2866	0.763845	-0.641193	-0.969011	-33.203125	80.078125	72.265625
2867	0.695807	-0.522216	-0.987657	39.062500	-27.343750	-80.078125
2868	0.561234	-0.363330	-0.955094	15.625000	29.296875	3.906250
2869	0.461741	-0.336748	-0.929306	-17.578125	5.859375	21.484375
2870	0.439544	-0.333299	-0.932584	-9.765625	-17.578125	-21.484375
2871	0.476227	-0.324979	-0.934550	3.906250	-9.765625	-15.625000
2872	0.479486	-0.288738	-0.923230	0.000000	-1.953125	3.906250
2873	0.435933	-0.316557	-0.915177	5.859375	-1.953125	-3.906250
2874	0.430310	-0.314934	-0.911606	5.859375	-3.906250	0.000000
2875	0.426936	-0.307711	-0.909464	3.906250	-1.953125	-1.953125
2876	0.431162	-0.315876	-0.908178	-1.953125	-1.953125	0.000000
2877	0.433697	-0.327026	-0.907407	0.000000	-1.953125	-1.953125
2878	0.447718	-0.352465	-0.925694	9.765625	-9.765625	-11.718750
2879	0.468631	-0.448979	-0.974166	13.671875	-50.781250	-5.859375
2880	0.468679	-0.513138	-1.072000	74.218750	-70.312500	-46.875000
2881	0.487457	-0.576633	-1.161950	99.609375	-91.796875	-15.625000
2882	0.473724	-0.639730	-1.228420	115.234375	-27.343750	-48.828125
2883	0.477985	-0.671338	-1.112052	115.234375	156.250000	-76.171875
2884	0.505541	-0.646553	-0.885981	11.718750	248.046875	-152.343750
2885	0.509574	-0.612932	-0.625339	-39.062500	248.046875	-91.796875
2886	0.405745	-0.549009	-0.493953	-54.687500	248.046875	-214.843750
2887	0.199697	-0.629405	-0.165122	-119.140625	54.687500	-31.250000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2888	0.407318	-0.533893	0.119677	33.203125	17.578125	-37.109375
2889	0.475641	-0.457836	0.359306	0.000000	9.765625	13.671875
2890	0.522885	-0.449702	0.515584	7.812500	7.812500	5.859375
2891	0.563731	-0.432321	0.603100	-1.953125	0.000000	11.718750
2892	0.550738	-0.403143	0.649360	7.812500	-1.953125	11.718750
2893	0.549193	-0.366886	0.695866	5.859375	0.000000	0.000000
2894	0.567016	-0.363881	0.717520	3.906250	0.000000	0.000000
2895	0.577709	-0.368329	0.736762	0.000000	-3.906250	-3.906250
2896	0.584126	-0.364747	0.748307	3.906250	-1.953125	-1.953125
2897	0.581725	-0.350098	0.755234	1.953125	-1.953125	0.000000
2898	0.580285	-0.347559	0.759391	0.000000	0.000000	-1.953125
2899	0.585671	-0.352285	0.761884	0.000000	-1.953125	-3.906250
2900	0.576403	-0.348871	0.763381	0.000000	0.000000	-1.953125
2901	0.570842	-0.346823	0.764278	0.000000	-1.953125	-3.906250
2902	0.573755	-0.333094	0.764817	-1.953125	-1.953125	1.953125
2903	0.575503	-0.331106	0.765140	-1.953125	-1.953125	0.000000
2904	0.589052	-0.336164	0.765334	0.000000	-1.953125	-1.953125
2905	0.584681	-0.339198	0.765450	-1.953125	0.000000	0.000000
2906	0.582059	-0.347269	0.765520	0.000000	0.000000	1.953125
2907	0.580485	-0.345861	0.765562	0.000000	-1.953125	0.000000
2908	0.579541	-0.345017	0.765587	1.953125	-1.953125	-1.953125
2909	0.578975	-0.344510	0.765602	1.953125	0.000000	-3.906250
2910	0.578635	-0.337956	0.765611	1.953125	0.000000	0.000000
2911	0.578431	-0.340274	0.765617	0.000000	0.000000	1.953125
2912	0.578309	-0.335414	0.765620	1.953125	0.000000	0.000000
2913	0.584485	-0.326249	0.765622	0.000000	0.000000	0.000000
2914	0.575691	-0.326999	0.765623	0.000000	1.953125	0.000000
2915	0.570415	-0.321199	0.765624	-1.953125	-1.953125	-1.953125
2916	0.560999	-0.330220	0.759374	3.906250	-1.953125	11.718750
2917	0.492849	-0.373132	0.711875	25.390625	-15.625000	85.937500
2918	0.383210	-0.411379	0.620875	56.640625	-60.546875	117.187500
2919	0.317426	-0.384327	0.528775	41.015625	-152.343750	117.187500
2920	0.309205	-0.374346	0.373515	-17.578125	-201.171875	95.703125
2921	0.335523	-0.387108	0.099109	-132.812500	-250.000000	87.890625
2922	0.488814	-0.638515	-0.378035	-175.781250	-207.031250	29.296875
2923	0.724538	-0.714359	-0.701821	-140.625000	-136.718750	-13.671875
2924	0.728473	-0.691115	-0.908592	-109.375000	-1.953125	33.203125
2925	0.705834	-0.633419	-1.013905	-93.750000	-29.296875	52.734375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2926	0.654750	-0.648802	-0.983343	-11.718750	27.343750	37.109375
2927	0.567850	-0.545531	-0.977506	27.343750	-11.718750	-93.750000
2928	0.471960	-0.421069	-0.942754	11.718750	7.812500	1.953125
2929	0.426926	-0.390141	-0.934402	9.765625	-1.953125	1.953125
2930	0.456156	-0.365335	-0.929391	13.671875	-13.671875	-29.296875
2931	0.467443	-0.312951	-0.920135	5.859375	-1.953125	-25.390625
2932	0.461716	-0.319020	-0.914581	-7.812500	0.000000	11.718750
2933	0.439530	-0.322662	-0.911249	-7.812500	-1.953125	9.765625
2934	0.432468	-0.356097	-0.902999	-3.906250	0.000000	3.906250
2935	0.434481	-0.344908	-0.904299	1.953125	-3.906250	-13.671875
2936	0.435688	-0.331945	-0.905080	0.000000	-3.906250	-5.859375
2937	0.430163	-0.330417	-0.905548	-3.906250	-3.906250	0.000000
2938	0.426848	-0.335750	-0.905829	0.000000	-1.953125	-3.906250
2939	0.424859	-0.338950	-0.905997	1.953125	-1.953125	-5.859375
2940	0.423665	-0.334620	-0.906098	0.000000	-1.953125	-1.953125
2941	0.422949	-0.332022	-0.906159	1.953125	-1.953125	-3.906250
2942	0.428769	-0.336713	-0.906195	3.906250	-1.953125	-5.859375
2943	0.432262	-0.339528	-0.912467	5.859375	-3.906250	-7.812500
2944	0.440607	-0.353717	-0.916230	9.765625	-9.765625	-11.718750
2945	0.451864	-0.399730	-0.949738	19.531250	-35.156250	-31.250000
2946	0.471119	-0.452338	-1.013593	39.062500	-66.406250	-42.968750
2947	0.495171	-0.521403	-1.101906	60.546875	-83.984375	-15.625000
2948	0.503353	-0.612842	-1.211143	68.359375	-42.968750	-17.578125
2949	0.502012	-0.667705	-1.257936	66.406250	48.828125	-37.109375
2950	0.463707	-0.613123	-1.104762	37.109375	248.046875	-130.859375
2951	0.559474	-0.549124	-0.819107	-91.796875	248.046875	-97.656250
2952	0.535685	-0.529474	-0.666464	-85.937500	248.046875	-181.640625
2953	0.421411	-0.342685	-0.443629	-109.375000	222.656250	-76.171875
2954	0.334096	-0.474361	-0.059927	-72.265625	44.921875	29.296875
2955	0.431708	-0.422116	0.239044	33.203125	31.250000	-21.484375
2956	0.477775	-0.359520	0.487176	3.906250	-1.953125	3.906250
2957	0.505415	-0.334462	0.617306	-3.906250	3.906250	-11.718750
2958	0.496999	-0.325677	0.689133	-3.906250	-1.953125	-1.953125
2959	0.498199	-0.314156	0.725980	-3.906250	-5.859375	-1.953125
2960	0.523920	-0.307244	0.754338	-3.906250	-9.765625	0.000000
2961	0.545602	-0.328096	0.765103	-1.953125	-3.906250	1.953125
2962	0.552361	-0.328108	0.771562	3.906250	-1.953125	0.000000
2963	0.550167	-0.334365	0.775437	1.953125	-1.953125	1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
2964	0.548850	-0.331869	0.777762	3.906250	0.000000	-1.953125
2965	0.554310	-0.317871	0.779157	1.953125	-1.953125	0.000000
2966	0.557586	-0.315723	0.779994	0.000000	-3.906250	0.000000
2967	0.565802	-0.320684	0.780497	0.000000	-1.953125	0.000000
2968	0.564481	-0.323660	0.780798	-1.953125	-1.953125	0.000000
2969	0.563689	-0.325446	0.780979	1.953125	0.000000	-1.953125
2970	0.569463	-0.320268	0.787337	3.906250	0.000000	1.953125
2971	0.566678	-0.317161	0.784902	1.953125	-1.953125	0.000000
2972	0.558757	-0.309046	0.789691	1.953125	0.000000	-1.953125
2973	0.560254	-0.304178	0.792565	-1.953125	0.000000	0.000000
2974	0.561152	-0.307507	0.788039	0.000000	0.000000	0.000000
2975	0.567941	-0.309504	0.791573	0.000000	0.000000	0.000000
2976	0.559515	-0.310702	0.793694	0.000000	0.000000	0.000000
2977	0.560709	-0.311421	0.788716	0.000000	-1.953125	1.953125
2978	0.561425	-0.305603	0.785730	0.000000	-1.953125	0.000000
2979	0.561855	-0.302112	0.783938	-1.953125	-3.906250	-5.859375
2980	0.568363	-0.306267	0.782863	0.000000	-3.906250	1.953125
2981	0.572268	-0.321260	0.782218	-1.953125	0.000000	1.953125
2982	0.568361	-0.330256	0.781831	1.953125	-1.953125	1.953125
2983	0.572266	-0.323154	0.775348	5.859375	-3.906250	1.953125
2984	0.568360	-0.318892	0.777709	5.859375	-3.906250	7.812500
2985	0.572266	-0.316335	0.779125	1.953125	-3.906250	1.953125
2986	0.574610	-0.314801	0.773725	-1.953125	-3.906250	13.671875
2987	0.551016	-0.332631	0.751735	5.859375	-5.859375	48.828125
2988	0.493109	-0.355828	0.707291	31.250000	-19.531250	74.218750
2989	0.389616	-0.294747	0.599375	29.296875	-56.640625	99.609375
2990	0.290019	-0.308098	0.459625	-1.953125	-166.015625	93.750000
2991	0.317762	-0.334859	0.325775	-80.078125	-234.375000	68.359375
2992	0.421907	-0.450915	0.064215	-134.765625	-199.218750	85.937500
2993	0.503144	-0.714299	-0.348971	-152.343750	-181.640625	44.921875
2994	0.545637	-0.828580	-0.659383	-113.281250	-107.421875	83.984375
2995	0.602382	-0.809648	-0.814380	-103.515625	-35.156250	-17.578125
2996	0.667679	-0.804539	-0.938628	-50.781250	54.687500	-89.843750
2997	0.663107	-0.726473	-0.969427	-15.625000	13.671875	-15.625000
2998	0.560364	-0.529634	-0.975406	13.671875	-7.812500	-62.500000
2999	0.479969	-0.405280	-0.953994	-15.625000	1.953125	9.765625
3000	0.456731	-0.374418	-0.959896	-21.484375	5.859375	29.296875
3001	0.455289	-0.380901	-0.938438	-1.953125	1.953125	11.718750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3002	0.435673	-0.334791	-0.931813	-1.953125	3.906250	-5.859375
3003	0.411404	-0.319624	-0.934088	-7.812500	1.953125	5.859375
3004	0.415592	-0.316775	-0.929203	-1.953125	1.953125	9.765625
3005	0.418105	-0.315065	-0.926272	0.000000	3.906250	5.859375
3006	0.419613	-0.307789	-0.924513	0.000000	0.000000	1.953125
3007	0.420518	-0.315923	-0.923458	0.000000	-3.906250	-13.671875
3008	0.421061	-0.308304	-0.922825	0.000000	-1.953125	-11.718750
3009	0.415136	-0.309982	-0.922445	-1.953125	-1.953125	-3.906250
3010	0.424082	-0.310989	-0.922217	0.000000	-3.906250	-5.859375
3011	0.423199	-0.311594	-0.922080	3.906250	-3.906250	-9.765625
3012	0.422669	-0.311956	-0.921998	3.906250	-3.906250	-11.718750
3013	0.422352	-0.324674	-0.921949	7.812500	-5.859375	-17.578125
3014	0.428411	-0.344804	-0.928169	19.531250	-15.625000	-33.203125
3015	0.457047	-0.369383	-0.950652	35.156250	-29.296875	-42.968750
3016	0.492978	-0.396630	-1.001641	48.828125	-48.828125	-46.875000
3017	0.514537	-0.444228	-1.069735	50.781250	-44.921875	-13.671875
3018	0.489972	-0.516537	-1.135591	50.781250	-44.921875	-3.906250
3019	0.493983	-0.509922	-1.162604	48.828125	-7.812500	-11.718750
3020	0.521390	-0.524703	-1.135063	-5.859375	121.093750	-31.250000
3021	0.519084	-0.539822	-1.068538	-72.265625	248.046875	-72.265625
3022	0.505200	-0.561393	-0.928623	-58.593750	248.046875	3.906250
3023	0.384370	-0.518086	-0.732174	5.859375	248.046875	-105.468750
3024	0.174372	-0.429602	-0.258054	-31.250000	156.250000	42.968750
3025	0.317123	-0.401511	0.113918	23.437500	27.343750	-21.484375
3026	0.384024	-0.315907	0.387101	27.343750	31.250000	-29.296875
3027	0.430414	-0.277044	0.588510	-11.718750	3.906250	-1.953125
3028	0.426999	-0.266226	0.690606	-11.718750	-3.906250	3.906250
3029	0.443699	-0.265986	0.751864	-9.765625	-11.718750	0.000000
3030	0.472470	-0.265841	0.788618	-7.812500	-5.859375	3.906250
3031	0.483482	-0.278255	0.804421	-5.859375	-1.953125	7.812500
3032	0.483839	-0.285703	0.807653	-1.953125	-5.859375	3.906250
3033	0.496553	-0.290172	0.815842	0.000000	-5.859375	0.000000
3034	0.516682	-0.299103	0.820755	-1.953125	-1.953125	3.906250
3035	0.516259	-0.316962	0.817453	-5.859375	-1.953125	5.859375
3036	0.509756	-0.321427	0.815472	3.906250	0.000000	0.000000
3037	0.518353	-0.305356	0.820533	1.953125	0.000000	0.000000
3038	0.517262	-0.308214	0.823570	0.000000	0.000000	-1.953125
3039	0.504107	-0.303678	0.825392	1.953125	0.000000	-3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3040	0.502464	-0.294707	0.826485	0.000000	-1.953125	0.000000
3041	0.507729	-0.295574	0.827141	-1.953125	-1.953125	0.000000
3042	0.504637	-0.296095	0.821285	-3.906250	0.000000	-1.953125
3043	0.509032	-0.302657	0.824021	0.000000	-1.953125	-1.953125
3044	0.505419	-0.306594	0.825662	-1.953125	-1.953125	1.953125
3045	0.503252	-0.308956	0.820397	0.000000	-1.953125	1.953125
3046	0.508201	-0.304124	0.823488	0.000000	-1.953125	0.000000
3047	0.511171	-0.301224	0.819093	0.000000	-1.953125	1.953125
3048	0.512952	-0.299485	0.816456	0.000000	-1.953125	3.906250
3049	0.514021	-0.304691	0.821124	-1.953125	-3.906250	3.906250
3050	0.514663	-0.320314	0.811424	-3.906250	-1.953125	1.953125
3051	0.515048	-0.323439	0.811854	0.000000	0.000000	5.859375
3052	0.502779	-0.325313	0.812113	0.000000	-1.953125	9.765625
3053	0.489167	-0.351438	0.806018	1.953125	-5.859375	11.718750
3054	0.481000	-0.342113	0.789861	3.906250	-7.812500	33.203125
3055	0.444850	-0.330268	0.767666	11.718750	-9.765625	44.921875
3056	0.360660	-0.341911	0.704350	9.765625	-33.203125	74.218750
3057	0.278896	-0.355146	0.578860	-5.859375	-111.328125	87.890625
3058	0.211088	-0.338088	0.397316	-48.828125	-191.406250	66.406250
3059	0.295403	-0.371603	0.113390	-150.390625	-250.000000	13.671875
3060	0.414742	-0.535462	-0.288216	-138.671875	-250.000000	33.203125
3061	0.580095	-0.702527	-0.704180	-136.718750	-191.406250	44.921875
3062	0.604307	-0.721516	-0.903758	-64.453125	-35.156250	-44.921875
3063	0.731334	-0.620410	-1.017255	-41.015625	-25.390625	-52.734375
3064	0.670051	-0.534746	-1.022853	-7.812500	35.156250	9.765625
3065	0.602030	-0.420847	-1.013712	23.437500	-31.250000	-82.031250
3066	0.504968	-0.352508	-0.970727	-5.859375	7.812500	17.578125
3067	0.459231	-0.349005	-0.957436	-3.906250	3.906250	9.765625
3068	0.481789	-0.340653	-0.936962	-3.906250	11.718750	29.296875
3069	0.445323	-0.348142	-0.924677	-5.859375	1.953125	17.578125
3070	0.442194	-0.365135	-0.917306	-3.906250	0.000000	1.953125
3071	0.434066	-0.356581	-0.912884	3.906250	0.000000	-3.906250
3072	0.429190	-0.351449	-0.910230	0.000000	1.953125	3.906250
3073	0.426264	-0.360869	-0.902388	-1.953125	0.000000	0.000000
3074	0.424508	-0.360272	-0.897683	-1.953125	-1.953125	-1.953125
3075	0.423455	-0.359913	-0.901110	-3.906250	-1.953125	-1.953125
3076	0.429073	-0.359698	-0.903166	0.000000	-1.953125	-1.953125
3077	0.450570	-0.271681	-0.921870	1.953125	-1.953125	-5.859375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3078	0.451592	-0.269259	-0.921872	1.953125	-1.953125	-3.906250
3079	0.452205	-0.274055	-0.915623	1.953125	-1.953125	-3.906250
3080	0.458823	-0.295683	-0.918124	7.812500	-5.859375	-9.765625
3081	0.456544	-0.321160	-0.932124	19.531250	-11.718750	-17.578125
3082	0.467676	-0.386446	-0.965525	42.968750	-27.343750	-37.109375
3083	0.480606	-0.444368	-1.016815	70.312500	-62.500000	-37.109375
3084	0.494613	-0.529121	-1.066339	99.609375	-66.406250	-62.500000
3085	0.546768	-0.567472	-1.114803	105.468750	-23.437500	-68.359375
3086	0.646811	-0.527983	-1.075132	58.593750	42.968750	-62.500000
3087	0.694337	-0.560540	-0.976329	-3.906250	226.562500	-119.140625
3088	0.710352	-0.580074	-0.760798	-76.171875	248.046875	-93.750000
3089	0.732461	-0.541794	-0.556479	-82.031250	248.046875	-95.703125
3090	0.626977	-0.481327	-0.390137	-60.546875	248.046875	-60.546875
3091	0.438686	-0.457546	-0.121582	-95.703125	119.140625	-37.109375
3092	0.425712	-0.437028	0.195801	15.625000	35.156250	-44.921875
3093	0.405427	-0.318467	0.442480	15.625000	15.625000	-3.906250
3094	0.474506	-0.272330	0.590488	-1.953125	0.000000	-7.812500
3095	0.490954	-0.294648	0.679293	-9.765625	0.000000	-5.859375
3096	0.513322	-0.301789	0.732576	-1.953125	-3.906250	5.859375
3097	0.526743	-0.299823	0.770795	-3.906250	-1.953125	1.953125
3098	0.534796	-0.298644	0.787477	1.953125	1.953125	0.000000
3099	0.527128	-0.291686	0.797486	0.000000	-1.953125	3.906250
3100	0.535027	-0.300012	0.803492	-1.953125	-1.953125	3.906250
3101	0.527266	-0.292507	0.813345	0.000000	-1.953125	1.953125
3102	0.522610	-0.281754	0.819257	0.000000	-3.906250	1.953125
3103	0.513566	-0.275303	0.816554	-1.953125	-3.906250	-1.953125
3104	0.520639	-0.265182	0.814933	-1.953125	-1.953125	-1.953125
3105	0.531134	-0.271609	0.813960	-1.953125	-1.953125	-1.953125
3106	0.543680	-0.281715	0.813376	-1.953125	-1.953125	-3.906250
3107	0.551208	-0.287779	0.806775	0.000000	-1.953125	-1.953125
3108	0.555725	-0.278918	0.809065	1.953125	-1.953125	0.000000
3109	0.552185	-0.286101	0.797939	5.859375	-1.953125	3.906250
3110	0.543811	-0.277910	0.785013	9.765625	-3.906250	21.484375
3111	0.495037	-0.260496	0.764758	11.718750	-7.812500	46.875000
3112	0.409522	-0.281298	0.702605	5.859375	-42.968750	95.703125
3113	0.351963	-0.268779	0.577813	33.203125	-76.171875	101.562500
3114	0.348678	-0.280017	0.459188	-3.906250	-136.718750	74.218750
3115	0.377957	-0.311760	0.319263	-83.984375	-197.265625	97.656250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3116	0.489274	-0.487056	0.072808	-142.578125	-224.609375	87.890625
3117	0.581064	-0.729734	-0.287565	-117.187500	-130.859375	66.406250
3118	0.642389	-0.737840	-0.522539	-115.234375	-125.000000	3.906250
3119	0.666683	-0.730204	-0.738524	-121.093750	-54.687500	0.000000
3120	0.650010	-0.613122	-0.918114	-109.375000	-5.859375	31.250000
3121	0.583756	-0.630373	-1.019618	-56.640625	13.671875	13.671875
3122	0.556504	-0.496974	-0.999271	44.921875	13.671875	-54.687500
3123	0.496402	-0.391934	-0.974563	3.906250	-7.812500	-17.578125
3124	0.429091	-0.335161	-0.959738	3.906250	5.859375	-9.765625
3125	0.407455	-0.307346	-0.957093	1.953125	-3.906250	3.906250
3126	0.419473	-0.271908	-0.955506	3.906250	3.906250	-9.765625
3127	0.414184	-0.263145	-0.948303	-5.859375	1.953125	17.578125
3128	0.398510	-0.270387	-0.943982	-5.859375	0.000000	5.859375
3129	0.395356	-0.287232	-0.947639	-3.906250	0.000000	5.859375
3130	0.399714	-0.284839	-0.943584	0.000000	0.000000	-3.906250
3131	0.402328	-0.277154	-0.941150	-1.953125	-1.953125	-1.953125
3132	0.397647	-0.278792	-0.939690	-1.953125	-1.953125	-1.953125
3133	0.394838	-0.279775	-0.938814	-1.953125	-1.953125	-5.859375
3134	0.395285	-0.270931	-0.937784	1.953125	0.000000	-1.953125
3135	0.393421	-0.268809	-0.937670	0.000000	-1.953125	0.000000
3136	0.398553	-0.273785	-0.937602	-1.953125	0.000000	1.953125
3137	0.395382	-0.276771	-0.937561	-1.953125	0.000000	0.000000
3138	0.393479	-0.278563	-0.937537	0.000000	-1.953125	-1.953125
3139	0.398587	-0.279638	-0.937522	0.000000	-1.953125	-3.906250
3140	0.401652	-0.292783	-0.943763	1.953125	-1.953125	-5.859375
3141	0.434741	-0.369420	-0.985008	23.437500	-21.484375	-15.625000
3142	0.510845	-0.471652	-1.103505	78.125000	-66.406250	-66.406250
3143	0.575257	-0.526741	-1.212103	113.281250	-33.203125	-25.390625
3144	0.551404	-0.597295	-1.208512	95.703125	42.968750	-72.265625
3145	0.530842	-0.545877	-1.043857	56.640625	158.203125	-128.906250
3146	0.568505	-0.452526	-0.782564	9.765625	234.375000	-115.234375
3147	0.647353	-0.427766	-0.513289	-35.156250	226.562500	-128.906250
3148	0.707162	-0.375409	-0.220473	-50.781250	203.125000	-80.078125
3149	0.699297	-0.318996	-0.013534	-83.984375	183.593750	-44.921875
3150	0.550828	-0.285147	0.148130	-89.843750	109.375000	-31.250000
3151	0.474247	-0.364838	0.332628	-39.062500	27.343750	0.000000
3152	0.465798	-0.356403	0.505827	13.671875	7.812500	-5.859375
3153	0.473229	-0.326342	0.640996	-3.906250	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3154	0.471437	-0.345805	0.709598	-7.812500	-1.953125	0.000000
3155	0.464112	-0.344983	0.750759	-1.953125	-7.812500	1.953125
3156	0.478467	-0.325740	0.775455	-1.953125	-7.812500	5.859375
3157	0.499580	-0.332944	0.790273	-5.859375	-3.906250	0.000000
3158	0.505998	-0.343516	0.799164	-1.953125	-1.953125	-1.953125
3159	0.509849	-0.343610	0.798248	-1.953125	-3.906250	0.000000
3160	0.512159	-0.343666	0.797699	0.000000	-1.953125	-1.953125
3161	0.519796	-0.349950	0.797369	0.000000	-1.953125	0.000000
3162	0.524377	-0.347470	0.797172	-3.906250	-1.953125	-3.906250
3163	0.527126	-0.352232	0.790803	-1.953125	-1.953125	-1.953125
3164	0.528776	-0.355089	0.793232	0.000000	-1.953125	0.000000
3165	0.317266	-0.213053	0.475939	0.000000	0.000000	0.000000
3166	0.402859	-0.259082	0.598063	0.000000	-1.953125	1.953125
3167	0.441716	-0.292949	0.665088	-1.953125	-5.859375	21.484375
3168	0.440029	-0.325770	0.699053	1.953125	-15.625000	44.921875
3169	0.395268	-0.364212	0.675682	15.625000	-39.062500	95.703125
3170	0.387161	-0.399777	0.605409	48.828125	-52.734375	68.359375
3171	0.413546	-0.383616	0.556995	27.343750	-93.750000	50.781250
3172	0.485628	-0.367670	0.534197	-11.718750	-105.468750	50.781250
3173	0.535127	-0.414352	0.464268	-72.265625	-126.953125	76.171875
3174	0.608576	-0.498611	0.316061	-95.703125	-128.906250	17.578125
3175	0.621396	-0.617917	0.077137	-111.328125	-111.328125	37.109375
3176	0.685337	-0.677000	-0.178718	-128.906250	-121.093750	31.250000
3177	0.642452	-0.706200	-0.413481	-101.562500	-89.843750	-1.953125
3178	0.610471	-0.717470	-0.648088	-89.843750	-64.453125	0.000000
3179	0.616283	-0.611732	-0.813853	-54.687500	-60.546875	-78.125000
3180	0.613520	-0.523289	-0.919562	-33.203125	-29.296875	19.531250
3181	0.630612	-0.451474	-0.932987	25.390625	35.156250	-35.156250
3182	0.572117	-0.408384	-0.928542	1.953125	0.000000	-7.812500
3183	0.474520	-0.357530	-0.932125	0.000000	7.812500	-9.765625
3184	0.459712	-0.339518	-0.934275	-1.953125	1.953125	-5.859375
3185	0.463327	-0.316211	-0.923065	-3.906250	5.859375	13.671875
3186	0.440496	-0.320977	-0.916339	-1.953125	1.953125	13.671875
3187	0.377423	-0.272385	-0.943486	0.000000	-1.953125	-1.953125
3188	0.382704	-0.275931	-0.947341	1.953125	-3.906250	-1.953125
3189	0.385872	-0.278059	-0.943405	0.000000	0.000000	-3.906250
3190	0.381523	-0.279335	-0.947293	0.000000	0.000000	-1.953125
3191	0.385164	-0.286351	-0.955876	5.859375	-3.906250	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3192	0.399848	-0.315561	-0.961025	13.671875	-5.859375	0.000000
3193	0.402409	-0.383086	-0.982865	29.296875	-11.718750	1.953125
3194	0.422695	-0.511102	-1.045969	62.500000	-29.296875	-27.343750
3195	0.453617	-0.600411	-1.096331	123.046875	-29.296875	-42.968750
3196	0.503420	-0.747747	-1.114049	136.718750	7.812500	-91.796875
3197	0.627052	-0.779898	-0.987179	134.765625	62.500000	-121.093750
3198	0.776231	-0.692939	-0.736058	78.125000	232.421875	-185.546875
3199	0.815739	-0.515763	-0.416635	-17.578125	248.046875	-218.750000
3200	0.683193	-0.309458	-0.199981	-148.437500	230.468750	-214.843750
3201	0.503666	-0.385675	-0.213738	-205.078125	64.453125	-58.593750
3202	0.495950	-0.543905	0.071757	-3.906250	23.437500	-25.390625
3203	0.416320	-0.382593	0.361804	33.203125	29.296875	-13.671875
3204	0.424792	-0.398306	0.548332	-1.953125	1.953125	-11.718750
3205	0.442375	-0.388983	0.660249	7.812500	-1.953125	0.000000
3206	0.465425	-0.370890	0.733650	5.859375	1.953125	-1.953125
3207	0.473005	-0.353784	0.783940	0.000000	-1.953125	0.000000
3208	0.477553	-0.343520	0.807864	1.953125	3.906250	3.906250
3209	0.461532	-0.324862	0.822218	0.000000	0.000000	3.906250
3210	0.470669	-0.313667	0.830831	1.953125	-5.859375	5.859375
3211	0.488651	-0.300700	0.842249	0.000000	-5.859375	1.953125
3212	0.493191	-0.299170	0.842849	-3.906250	-5.859375	0.000000
3213	0.489665	-0.298252	0.836959	0.000000	-1.953125	1.953125
3214	0.493799	-0.297701	0.839676	-1.953125	-1.953125	0.000000
3215	0.490029	-0.291121	0.841305	-3.906250	-5.859375	9.765625
3216	0.487768	-0.293422	0.836033	-1.953125	0.000000	0.000000
3217	0.492661	-0.294803	0.839120	0.000000	-1.953125	0.000000
3218	0.495596	-0.295632	0.834722	1.953125	-1.953125	1.953125
3219	0.478608	-0.289879	0.825833	1.953125	-7.812500	21.484375
3220	0.480915	-0.336428	0.801750	0.000000	-25.390625	76.171875
3221	0.457299	-0.358107	0.781050	11.718750	-19.531250	60.546875
3222	0.449379	-0.364864	0.749880	19.531250	-33.203125	72.265625
3223	0.388378	-0.375168	0.668678	15.625000	-37.109375	97.656250
3224	0.308027	-0.412601	0.588707	-1.953125	-83.984375	76.171875
3225	0.259816	-0.422561	0.528224	-54.687500	-134.765625	91.796875
3226	0.212140	-0.416036	0.429434	-128.906250	-164.062500	68.359375
3227	0.202284	-0.549622	0.076411	-212.890625	-158.203125	72.265625
3228	0.352620	-0.698523	-0.397904	-203.125000	-197.265625	-25.390625
3229	0.549072	-0.819114	-0.838742	-197.265625	-85.937500	-50.781250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3230	0.829443	-1.091468	-1.053245	0.000000	33.203125	-166.015625
3231	0.735166	-0.698631	-0.994447	48.828125	-11.718750	-42.968750
3232	0.609850	-0.512929	-0.952918	-11.718750	33.203125	15.625000
3233	0.490910	-0.426507	-0.934251	-25.390625	7.812500	-23.437500
3234	0.469546	-0.405904	-0.941801	-31.250000	-19.531250	-7.812500
3235	0.481728	-0.381043	-0.946330	-9.765625	-9.765625	-5.859375
3236	0.482787	-0.359876	-0.930298	3.906250	3.906250	13.671875
3237	0.470922	-0.334675	-0.926929	0.000000	1.953125	1.953125
3238	0.457553	-0.313305	-0.924907	0.000000	0.000000	-1.953125
3239	0.449532	-0.300483	-0.917444	-1.953125	-1.953125	0.000000
3240	0.438469	-0.305290	-0.919217	0.000000	-1.953125	0.000000
3241	0.431254	-0.277901	-0.921723	0.000000	0.000000	0.000000
3242	0.433752	-0.272991	-0.921784	0.000000	0.000000	1.953125
3243	0.435251	-0.282544	-0.921820	-1.953125	0.000000	1.953125
3244	0.436151	-0.288277	-0.921842	0.000000	0.000000	-1.953125
3245	0.436690	-0.285466	-0.921855	0.000000	0.000000	-3.906250
3246	0.443264	-0.296280	-0.928113	3.906250	-1.953125	-5.859375
3247	0.472209	-0.352768	-0.950618	21.484375	-13.671875	-5.859375
3248	0.570825	-0.461661	-1.057871	68.359375	-31.250000	-46.875000
3249	0.642495	-0.558246	-1.140972	132.812500	0.000000	-29.296875
3250	0.666747	-0.666198	-1.178333	140.625000	13.671875	-60.546875
3251	0.706298	-0.624719	-1.050750	97.656250	125.000000	-126.953125
3252	0.786279	-0.524831	-0.805450	1.953125	226.562500	-125.000000
3253	0.859267	-0.452399	-0.527020	-107.421875	248.046875	-214.843750
3254	0.590560	-0.371439	-0.409962	-121.093750	248.046875	-173.828125
3255	0.304336	-0.547864	-0.208477	-203.125000	78.125000	-3.906250
3256	0.363852	-0.534968	0.137414	11.718750	1.953125	-44.921875
3257	0.380811	-0.439731	0.413698	23.437500	5.859375	29.296875
3258	0.378487	-0.407589	0.591969	3.906250	-5.859375	-9.765625
3259	0.389592	-0.394553	0.686431	-3.906250	0.000000	-1.953125
3260	0.396255	-0.392982	0.743109	-5.859375	-7.812500	7.812500
3261	0.406503	-0.385789	0.783365	-1.953125	-5.859375	-1.953125
3262	0.418902	-0.375223	0.795019	-1.953125	0.000000	-3.906250
3263	0.413841	-0.375134	0.808262	-5.859375	-5.859375	-5.859375
3264	0.429555	-0.381330	0.816207	0.000000	-1.953125	-3.906250
3265	0.426483	-0.385048	0.820974	0.000000	-1.953125	-3.906250
3266	0.424640	-0.393529	0.823834	0.000000	0.000000	0.000000
3267	0.429784	-0.386117	0.825551	1.953125	0.000000	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3268	0.432870	-0.387920	0.820330	0.000000	-1.953125	-3.906250
3269	0.440972	-0.389002	0.817198	1.953125	0.000000	-1.953125
3270	0.439583	-0.377151	0.815319	0.000000	-3.906250	1.953125
3271	0.426250	-0.363791	0.801691	0.000000	-5.859375	9.765625
3272	0.368250	-0.374524	0.749765	-5.859375	-27.343750	62.500000
3273	0.339700	-0.405965	0.693609	9.765625	-56.640625	46.875000
3274	0.335070	-0.374829	0.609915	5.859375	-91.796875	52.734375
3275	0.394792	-0.399897	0.515949	-31.250000	-142.578125	11.718750
3276	0.486875	-0.383688	0.409570	-52.734375	-152.343750	3.906250
3277	0.535875	-0.442713	0.176992	-107.421875	-160.156250	31.250000
3278	0.502775	-0.553128	-0.162555	-132.812500	-181.640625	39.062500
3279	0.532915	-0.631877	-0.566283	-123.046875	-197.265625	-9.765625
3280	0.613499	-0.629126	-0.858520	-103.515625	-162.109375	13.671875
3281	1.061849	-0.821226	-1.121362	-11.718750	89.843750	-83.984375
3282	0.849610	-0.680235	-1.022817	39.062500	-3.906250	-31.250000
3283	0.697266	-0.470641	-1.001190	13.671875	-7.812500	-93.750000
3284	0.524609	-0.382385	-0.963214	-29.296875	29.296875	19.531250
3285	0.377423	-0.272385	-0.943486	0.000000	-1.953125	-1.953125
3286	0.382704	-0.275931	-0.947341	1.953125	-3.906250	-1.953125
3287	0.385872	-0.278059	-0.943405	0.000000	0.000000	-3.906250
3288	0.381523	-0.279335	-0.947293	0.000000	0.000000	-1.953125
3289	0.385164	-0.286351	-0.955876	5.859375	-3.906250	-1.953125
3290	0.399848	-0.315561	-0.961025	13.671875	-5.859375	0.000000
3291	0.402409	-0.383086	-0.982865	29.296875	-11.718750	1.953125
3292	0.422695	-0.511102	-1.045969	62.500000	-29.296875	-27.343750
3293	0.453617	-0.600411	-1.096331	123.046875	-29.296875	-42.968750
3294	0.503420	-0.747747	-1.114049	136.718750	7.812500	-91.796875
3295	0.627052	-0.779898	-0.987179	134.765625	62.500000	-121.093750
3296	0.776231	-0.692939	-0.736058	78.125000	232.421875	-185.546875
3297	0.815739	-0.515763	-0.416635	-17.578125	248.046875	-218.750000
3298	0.683193	-0.309458	-0.199981	-148.437500	230.468750	-214.843750
3299	0.503666	-0.385675	-0.213738	-205.078125	64.453125	-58.593750
3300	0.495950	-0.543905	0.071757	-3.906250	23.437500	-25.390625
3301	0.416320	-0.382593	0.361804	33.203125	29.296875	-13.671875
3302	0.424792	-0.398306	0.548332	-1.953125	1.953125	-11.718750
3303	0.442375	-0.388983	0.660249	7.812500	-1.953125	0.000000
3304	0.465425	-0.370890	0.733650	5.859375	1.953125	-1.953125
3305	0.473005	-0.353784	0.783940	0.000000	-1.953125	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3306	0.477553	-0.343520	0.807864	1.953125	3.906250	3.906250
3307	0.461532	-0.324862	0.822218	0.000000	0.000000	3.906250
3308	0.470669	-0.313667	0.830831	1.953125	-5.859375	5.859375
3309	0.488651	-0.300700	0.842249	0.000000	-5.859375	1.953125
3310	0.493191	-0.299170	0.842849	-3.906250	-5.859375	0.000000
3311	0.489665	-0.298252	0.836959	0.000000	-1.953125	1.953125
3312	0.493799	-0.297701	0.839676	-1.953125	-1.953125	0.000000
3313	0.490029	-0.291121	0.841305	-3.906250	-5.859375	9.765625
3314	0.487768	-0.293422	0.836033	-1.953125	0.000000	0.000000
3315	0.492661	-0.294803	0.839120	0.000000	-1.953125	0.000000
3316	0.495596	-0.295632	0.834722	1.953125	-1.953125	1.953125
3317	0.478608	-0.289879	0.825833	1.953125	-7.812500	21.484375
3318	0.480915	-0.336428	0.801750	0.000000	-25.390625	76.171875
3319	0.457299	-0.358107	0.781050	11.718750	-19.531250	60.546875
3320	0.449379	-0.364864	0.749880	19.531250	-33.203125	72.265625
3321	0.388378	-0.375168	0.668678	15.625000	-37.109375	97.656250
3322	0.308027	-0.412601	0.588707	-1.953125	-83.984375	76.171875
3323	0.259816	-0.422561	0.528224	-54.687500	-134.765625	91.796875
3324	0.212140	-0.416036	0.429434	-128.906250	-164.062500	68.359375
3325	0.202284	-0.549622	0.076411	-212.890625	-158.203125	72.265625
3326	0.352620	-0.698523	-0.397904	-203.125000	-197.265625	-25.390625
3327	0.549072	-0.819114	-0.838742	-197.265625	-85.937500	-50.781250
3328	0.829443	-1.091468	-1.053245	0.000000	33.203125	-166.015625
3329	0.735166	-0.698631	-0.994447	48.828125	-11.718750	-42.968750
3330	0.609850	-0.512929	-0.952918	-11.718750	33.203125	15.625000
3331	0.490910	-0.426507	-0.934251	-25.390625	7.812500	-23.437500
3332	0.469546	-0.405904	-0.941801	-31.250000	-19.531250	-7.812500
3333	0.481728	-0.381043	-0.946330	-9.765625	-9.765625	-5.859375
3334	0.482787	-0.359876	-0.930298	3.906250	3.906250	13.671875
3335	0.470922	-0.334675	-0.926929	0.000000	1.953125	1.953125
3336	0.457553	-0.313305	-0.924907	0.000000	0.000000	-1.953125
3337	0.449532	-0.300483	-0.917444	-1.953125	-1.953125	0.000000
3338	0.438469	-0.305290	-0.919217	0.000000	-1.953125	0.000000
3339	0.438081	-0.301924	-0.914030	-1.953125	-1.953125	-3.906250
3340	0.437849	-0.306154	-0.917168	0.000000	-1.953125	-5.859375
3341	0.437709	-0.296193	-0.912801	0.000000	-3.906250	-7.812500
3342	0.431254	-0.277901	-0.921723	0.000000	0.000000	0.000000
3343	0.433752	-0.272991	-0.921784	0.000000	0.000000	1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3344	0.435251	-0.282544	-0.921820	-1.953125	0.000000	1.953125
3345	0.436151	-0.288277	-0.921842	0.000000	0.000000	-1.953125
3346	0.436690	-0.285466	-0.921855	0.000000	0.000000	-3.906250
3347	0.443264	-0.296280	-0.928113	3.906250	-1.953125	-5.859375
3348	0.472209	-0.352768	-0.950618	21.484375	-13.671875	-5.859375
3349	0.570825	-0.461661	-1.057871	68.359375	-31.250000	-46.875000
3350	0.642495	-0.558246	-1.140972	132.812500	0.000000	-29.296875
3351	0.666747	-0.666198	-1.178333	140.625000	13.671875	-60.546875
3352	0.706298	-0.624719	-1.050750	97.656250	125.000000	-126.953125
3353	0.786279	-0.524831	-0.805450	1.953125	226.562500	-125.000000
3354	0.859267	-0.452399	-0.527020	-107.421875	248.046875	-214.843750
3355	0.590560	-0.371439	-0.409962	-121.093750	248.046875	-173.828125
3356	0.304336	-0.547864	-0.208477	-203.125000	78.125000	-3.906250
3357	0.363852	-0.534968	0.137414	11.718750	1.953125	-44.921875
3358	0.380811	-0.439731	0.413698	23.437500	5.859375	29.296875
3359	0.378487	-0.407589	0.591969	3.906250	-5.859375	-9.765625
3360	0.389592	-0.394553	0.686431	-3.906250	0.000000	-1.953125
3361	0.396255	-0.392982	0.743109	-5.859375	-7.812500	7.812500
3362	0.406503	-0.385789	0.783365	-1.953125	-5.859375	-1.953125
3363	0.418902	-0.375223	0.795019	-1.953125	0.000000	-3.906250
3364	0.413841	-0.375134	0.808262	-5.859375	-5.859375	-5.859375
3365	0.429555	-0.381330	0.816207	0.000000	-1.953125	-3.906250
3366	0.426483	-0.385048	0.820974	0.000000	-1.953125	-3.906250
3367	0.424640	-0.393529	0.823834	0.000000	0.000000	0.000000
3368	0.429784	-0.386117	0.825551	1.953125	0.000000	-1.953125
3369	0.432870	-0.387920	0.820330	0.000000	-1.953125	-3.906250
3370	0.440972	-0.389002	0.817198	1.953125	0.000000	-1.953125
3371	0.439583	-0.377151	0.815319	0.000000	-3.906250	1.953125
3372	0.426250	-0.363791	0.801691	0.000000	-5.859375	9.765625
3373	0.368250	-0.374524	0.749765	-5.859375	-27.343750	62.500000
3374	0.339700	-0.405965	0.693609	9.765625	-56.640625	46.875000
3375	0.335070	-0.374829	0.609915	5.859375	-91.796875	52.734375
3376	0.394792	-0.399897	0.515949	-31.250000	-142.578125	11.718750
3377	0.486875	-0.383688	0.409570	-52.734375	-152.343750	3.906250
3378	0.535875	-0.442713	0.176992	-107.421875	-160.156250	31.250000
3379	0.502775	-0.553128	-0.162555	-132.812500	-181.640625	39.062500
3380	0.532915	-0.631877	-0.566283	-123.046875	-197.265625	-9.765625
3381	0.613499	-0.629126	-0.858520	-103.515625	-162.109375	13.671875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3382	1.061849	-0.821226	-1.121362	-11.718750	89.843750	-83.984375
3383	0.849610	-0.680235	-1.022817	39.062500	-3.906250	-31.250000
3384	0.697266	-0.470641	-1.001190	13.671875	-7.812500	-93.750000
3385	0.524609	-0.382385	-0.963214	-29.296875	29.296875	19.531250
3386	0.458516	-0.373181	-0.952928	-19.531250	-15.625000	-9.765625
3387	0.500109	-0.336409	-0.953007	3.906250	-15.625000	-23.437500
3388	0.500066	-0.308095	-0.928054	-1.953125	0.000000	5.859375
3389	0.336235	-0.178576	-0.984744	0.000000	0.000000	-1.953125
3390	0.332991	-0.175896	-0.984596	0.000000	0.000000	-1.953125
3391	0.337295	-0.174287	-0.984508	0.000000	0.000000	0.000000
3392	0.339877	-0.173322	-0.984455	0.000000	0.000000	0.000000
3393	0.341426	-0.172743	-0.984423	0.000000	0.000000	0.000000
3394	0.342356	-0.178646	-0.984404	0.000000	0.000000	-1.953125
3395	0.342913	-0.175938	-0.984392	1.953125	0.000000	-1.953125
3396	0.436998	-0.199313	-1.003135	13.671875	-11.718750	-50.781250
3397	0.624699	-0.132088	-1.139381	7.812500	-17.578125	-107.421875
3398	0.649819	-0.123003	-1.252379	17.578125	1.953125	54.687500
3399	0.458642	-0.230052	-1.182677	0.000000	70.312500	-33.203125
3400	0.081435	-0.356781	-0.853356	-11.718750	62.500000	-146.484375
3401	-0.169889	-0.514069	-0.599514	97.656250	-91.796875	-60.546875
3402	-0.208183	-0.708441	-0.772208	210.937500	-173.828125	-33.203125
3403	-0.324910	-1.025065	-1.025825	248.046875	-197.265625	-56.640625
3404	-0.513696	-1.202539	-1.190495	248.046875	-207.031250	-42.968750
3405	-0.476968	-1.034023	-1.183047	181.640625	-210.937500	-29.296875
3406	-0.079931	-0.789164	-0.834828	29.296875	-87.890625	-23.437500
3407	-0.041708	-0.785998	-0.363397	1.953125	21.484375	9.765625
3408	-0.081275	-0.834099	-0.049288	1.953125	-7.812500	21.484375
3409	0.001235	-0.887959	0.082927	-15.625000	0.000000	-7.812500
3410	-0.030509	-0.920276	0.193506	0.000000	11.718750	-3.906250
3411	-0.037055	-0.902165	0.259854	1.953125	-1.953125	0.000000
3412	-0.028483	-0.910049	0.287162	-1.953125	3.906250	-1.953125
3413	-0.029590	-0.927280	0.309797	0.000000	5.859375	-3.906250
3414	-0.030254	-0.912618	0.317128	-3.906250	5.859375	-3.906250
3415	-0.018152	-0.872571	0.284027	-23.437500	11.718750	-3.906250
3416	-0.004641	-0.804792	0.176666	-50.781250	46.875000	1.953125
3417	-0.015285	-0.689125	0.024750	-111.328125	80.078125	35.156250
3418	-0.077921	-0.669725	-0.216400	-181.640625	173.828125	-11.718750
3419	-0.109253	-0.808085	-0.567340	-179.687500	226.562500	27.343750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3420	-0.146802	-0.766101	-0.796654	-197.265625	171.875000	72.265625
3421	-0.081831	-0.672161	-1.002992	-201.171875	115.234375	134.765625
3422	-0.017849	-0.697046	-1.145545	-203.125000	119.140625	48.828125
3423	0.064291	-0.618228	-1.087327	15.625000	-31.250000	58.593750
3424	0.182325	-0.420937	-1.033646	76.171875	-41.015625	64.453125
3425	0.365645	-0.327562	-1.038938	15.625000	11.718750	-5.859375
3426	0.431887	-0.209037	-0.979613	11.718750	11.718750	-3.906250
3427	0.421632	-0.206672	-0.975268	-5.859375	-11.718750	15.625000
3428	0.390479	-0.224003	-0.972661	-5.859375	-7.812500	5.859375
3429	0.390538	-0.221902	-0.971096	5.859375	1.953125	-9.765625
3430	0.403073	-0.201891	-0.957658	3.906250	0.000000	-7.812500
3431	0.404344	-0.202385	-0.955845	-1.953125	-1.953125	0.000000
3432	0.390855	-0.216108	-0.953171	0.000000	0.000000	0.000000
3433	0.390763	-0.217165	-0.953152	-1.953125	0.000000	0.000000
3434	0.390708	-0.217799	-0.953141	0.000000	0.000000	0.000000
3435	0.396925	-0.218179	-0.953135	0.000000	0.000000	0.000000
3436	0.394405	-0.218408	-0.953131	0.000000	-1.953125	-1.953125
3437	0.399143	-0.218545	-0.953129	0.000000	-1.953125	-1.953125
3438	0.426986	-0.243627	-0.965627	9.765625	-5.859375	-13.671875
3439	0.537441	-0.239926	-1.023126	19.531250	-68.359375	-25.390625
3440	0.647465	-0.231456	-1.195126	17.578125	-46.875000	-5.859375
3441	0.519729	-0.226373	-1.204575	17.578125	21.484375	-25.390625
3442	0.305587	-0.285824	-1.016495	-23.437500	62.500000	-64.453125
3443	0.083352	-0.427744	-0.703647	1.953125	42.968750	-107.421875
3444	-0.074989	-0.587897	-0.534688	117.187500	-85.937500	-56.640625
3445	-0.201243	-0.821488	-0.652063	222.656250	-195.312500	-13.671875
3446	-0.408246	-1.192893	-0.947488	248.046875	-224.609375	3.906250
3447	-0.476198	-1.303236	-1.174743	248.046875	-210.937500	-13.671875
3448	-0.254469	-1.006941	-1.029846	115.234375	-169.921875	7.812500
3449	0.003569	-0.866665	-0.592907	15.625000	-64.453125	9.765625
3450	0.052141	-0.832499	-0.218244	11.718750	-1.953125	15.625000
3451	0.043785	-0.855749	0.050303	3.906250	0.000000	5.859375
3452	0.051271	-0.850950	0.205182	-1.953125	-3.906250	-3.906250
3453	0.037013	-0.879320	0.304359	0.000000	0.000000	1.953125
3454	0.034708	-0.877592	0.357616	-1.953125	1.953125	-1.953125
3455	0.027075	-0.876555	0.383319	-1.953125	3.906250	0.000000
3456	0.022495	-0.875933	0.398742	-3.906250	3.906250	1.953125
3457	0.025997	-0.881810	0.414245	-5.859375	5.859375	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3458	0.028098	-0.879086	0.417297	-5.859375	3.906250	0.000000
3459	0.016859	-0.871202	0.406628	-7.812500	5.859375	0.000000
3460	0.022615	-0.860221	0.387727	-17.578125	13.671875	1.953125
3461	0.026069	-0.841133	0.326386	-44.921875	21.484375	7.812500
3462	0.040642	-0.817180	0.195832	-66.406250	83.984375	13.671875
3463	0.005635	-0.802808	0.029999	-123.046875	125.000000	13.671875
3464	-0.115369	-0.769185	-0.232001	-148.437500	177.734375	19.531250
3465	-0.169221	-0.749011	-0.514200	-183.593750	173.828125	19.531250
3466	-0.195283	-0.711906	-0.733520	-185.546875	154.296875	11.718750
3467	-0.179670	-0.639644	-0.927612	-160.156250	99.609375	144.531250
3468	-0.095302	-0.696286	-1.031567	-132.812500	35.156250	70.312500
3469	0.024069	-0.617772	-1.031440	21.484375	-7.812500	1.953125
3470	0.239441	-0.401913	-0.987614	58.593750	78.125000	-46.875000
3471	0.324915	-0.297398	-0.961319	-5.859375	-9.765625	-3.906250
3472	0.421109	-0.187903	-0.953254	1.953125	-1.953125	1.953125
3473	0.471415	-0.206492	-0.978203	13.671875	-25.390625	-13.671875
3474	0.589099	-0.192645	-1.099422	-11.718750	-70.312500	-1.953125
3475	0.597210	-0.153087	-1.209653	17.578125	-13.671875	15.625000
3476	0.495826	-0.148102	-1.182042	-15.625000	58.593750	-31.250000
3477	0.247495	-0.276361	-0.977975	-60.546875	76.171875	-60.546875
3478	-0.032753	-0.515817	-0.711785	33.203125	-27.343750	-78.125000
3479	-0.182152	-0.703240	-0.670821	195.312500	-128.906250	-50.781250
3480	-0.396791	-0.990694	-0.946243	248.046875	-218.750000	-46.875000
3481	-0.544325	-1.206916	-1.361496	248.046875	-244.140625	-68.359375
3482	-0.395345	-0.955400	-1.410647	207.031250	-156.250000	-39.062500
3483	-0.062207	-0.735740	-0.996388	58.593750	-68.359375	0.000000
3484	0.000176	-0.735194	-0.479083	29.296875	3.906250	13.671875
3485	-0.031144	-0.772366	-0.118700	19.531250	7.812500	25.390625
3486	-0.012437	-0.813420	0.097530	-5.859375	-7.812500	0.000000
3487	-0.001212	-0.856802	0.208518	-3.906250	-1.953125	1.953125
3488	-0.000727	-0.882831	0.275111	3.906250	1.953125	5.859375
3489	-0.006686	-0.898449	0.315067	1.953125	-1.953125	0.000000
3490	0.002238	-0.901569	0.332790	1.953125	0.000000	0.000000
3491	-0.004907	-0.903442	0.349674	1.953125	3.906250	0.000000
3492	-0.015444	-0.904565	0.372304	0.000000	-1.953125	0.000000
3493	-0.015517	-0.892739	0.379633	0.000000	0.000000	-3.906250
3494	-0.015560	-0.898143	0.384030	-1.953125	1.953125	-3.906250
3495	-0.021836	-0.895136	0.392918	-1.953125	1.953125	-3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3496	-0.013102	-0.862082	0.379501	-11.718750	5.859375	-1.953125
3497	0.004639	-0.810999	0.321450	-39.062500	17.578125	13.671875
3498	-0.009717	-0.730349	0.192870	-76.171875	58.593750	13.671875
3499	0.000420	-0.669460	-0.015528	-152.343750	119.140625	5.859375
3500	-0.043498	-0.695426	-0.334317	-197.265625	191.406250	17.578125
3501	-0.101099	-0.642255	-0.706840	-250.000000	220.703125	-72.265625
3502	-0.110659	-0.491603	-1.199104	-250.000000	144.531250	238.281250
3503	-0.122646	-0.732462	-1.263212	-210.937500	97.656250	107.421875
3504	0.032663	-0.645727	-1.195427	42.968750	-17.578125	25.390625
3505	0.082098	-0.443686	-1.067256	44.921875	-9.765625	42.968750
3506	0.155509	-0.384962	-1.015354	5.859375	-27.343750	17.578125
3507	0.487055	-0.280977	-0.934212	46.875000	85.937500	-9.765625
3508	0.485983	-0.256086	-0.929277	-7.812500	-39.062500	-11.718750
3509	0.422840	-0.234902	-0.938816	1.953125	-3.906250	-19.531250
3510	0.422454	-0.247191	-0.950790	0.000000	5.859375	-5.859375
3511	0.453472	-0.229565	-0.932974	0.000000	5.859375	0.000000
3512	0.447083	-0.231489	-0.934784	1.953125	-5.859375	-5.859375
3513	0.437000	-0.226393	-0.935871	0.000000	0.000000	0.000000
3514	0.441070	-0.231502	-0.926913	0.000000	-1.953125	-1.953125
3515	0.439642	-0.232651	-0.931148	0.000000	0.000000	0.000000
3516	0.445035	-0.239591	-0.927439	0.000000	-1.953125	0.000000
3517	0.442021	-0.243754	-0.931463	0.000000	-1.953125	-1.953125
3518	0.446463	-0.240003	-0.933878	0.000000	0.000000	0.000000
3519	0.455378	-0.244002	-0.941577	3.906250	-5.859375	-1.953125
3520	0.510727	-0.246401	-0.952446	11.718750	-35.156250	-17.578125
3521	0.606436	-0.210341	-1.008968	9.765625	-31.250000	-1.953125
3522	0.645112	-0.232454	-1.142881	9.765625	-19.531250	-1.953125
3523	0.530817	-0.289473	-1.154478	7.812500	42.968750	-19.531250
3524	0.274740	-0.342434	-0.930187	-31.250000	37.109375	-58.593750
3525	0.064844	-0.467960	-0.658112	-9.765625	-42.968750	-80.078125
3526	-0.129844	-0.637026	-0.576117	130.859375	-166.015625	0.000000
3527	-0.421656	-0.944716	-0.776920	226.562500	-246.093750	9.765625
3528	-0.809244	-1.191829	-1.184902	248.046875	-250.000000	-15.625000
3529	-0.741796	-1.046348	-1.335941	162.109375	-250.000000	-60.546875
3530	-0.382578	-0.752809	-0.970315	54.687500	-121.093750	-37.109375
3531	-0.223297	-0.664185	-0.463439	17.578125	-1.953125	5.859375
3532	-0.196478	-0.736011	-0.090563	11.718750	7.812500	19.531250
3533	-0.186637	-0.810357	0.133162	-1.953125	-9.765625	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3534	-0.155732	-0.829964	0.248647	0.000000	-7.812500	-5.859375
3535	-0.155939	-0.829228	0.324188	1.953125	-1.953125	0.000000
3536	-0.156064	-0.841287	0.382013	1.953125	0.000000	1.953125
3537	-0.143638	-0.854772	0.404208	1.953125	0.000000	1.953125
3538	-0.136183	-0.844113	0.417525	-1.953125	1.953125	0.000000
3539	-0.150460	-0.850218	0.431765	-3.906250	7.812500	-1.953125
3540	-0.140276	-0.816381	0.415309	-13.671875	9.765625	1.953125
3541	-0.121666	-0.764828	0.361685	-44.921875	27.343750	7.812500
3542	-0.135499	-0.721397	0.242011	-70.312500	72.265625	19.531250
3543	-0.206300	-0.676588	0.088957	-97.656250	113.281250	60.546875
3544	-0.355030	-0.774703	-0.109126	-89.843750	201.171875	9.765625
3545	-0.356768	-0.821072	-0.365476	-80.078125	228.515625	-11.718750
3546	-0.382811	-0.742643	-0.556785	-134.765625	201.171875	1.953125
3547	-0.267186	-0.701836	-0.765321	-146.484375	134.765625	-9.765625
3548	-0.104062	-0.627352	-0.921693	-138.671875	60.546875	1.953125
3549	0.056313	-0.607661	-0.984266	-46.875000	17.578125	62.500000
3550	0.208788	-0.483347	-0.971809	35.156250	35.156250	-25.390625
3551	0.287773	-0.327508	-0.951836	17.578125	5.859375	-5.859375
3552	0.347664	-0.265255	-0.952351	1.953125	1.953125	1.953125
3553	0.468588	-0.187568	-0.937468	0.000000	-1.953125	-1.953125
3554	0.468653	-0.187541	-0.937481	0.000000	-1.953125	-1.953125
3555	0.468692	-0.187524	-0.937489	0.000000	-1.953125	-1.953125
3556	0.474965	-0.181265	-0.931243	-1.953125	0.000000	1.953125
3557	0.472479	-0.183759	-0.933746	0.000000	-1.953125	1.953125
3558	0.477237	-0.172755	-0.935248	0.000000	-5.859375	11.718750
3559	0.536342	-0.134903	-0.954899	-5.859375	-27.343750	54.687500
3560	0.603055	-0.243442	-1.035439	0.000000	-39.062500	-1.953125
3561	0.618083	-0.227315	-1.146263	31.250000	-15.625000	-46.875000
3562	0.595850	-0.248889	-1.112758	7.812500	46.875000	-31.250000
3563	0.270010	-0.424333	-0.842655	7.812500	72.265625	-105.468750
3564	-0.056744	-0.642100	-0.568093	101.562500	-97.656250	-33.203125
3565	-0.259046	-0.885260	-0.672106	222.656250	-210.937500	-13.671875
3566	-0.474178	-1.199906	-1.040763	248.046875	-248.046875	-31.250000
3567	-0.447007	-1.194944	-1.286958	232.421875	-208.984375	-46.875000
3568	-0.205704	-0.873216	-1.090925	117.187500	-123.046875	-13.671875
3569	0.001578	-0.736430	-0.629555	17.578125	-15.625000	11.718750
3570	0.019697	-0.804358	-0.215233	-11.718750	9.765625	0.000000
3571	-0.031932	-0.857615	0.039610	7.812500	0.000000	17.578125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3572	-0.031659	-0.864569	0.167516	1.953125	-5.859375	5.859375
3573	-0.031496	-0.893741	0.244260	0.000000	-3.906250	5.859375
3574	-0.031397	-0.898745	0.290306	5.859375	3.906250	5.859375
3575	-0.043838	-0.901747	0.324183	3.906250	3.906250	0.000000
3576	-0.063803	-0.891048	0.344510	0.000000	0.000000	0.000000
3577	-0.075782	-0.890879	0.356706	-1.953125	-1.953125	-1.953125
3578	-0.070469	-0.890777	0.357774	-3.906250	0.000000	1.953125
3579	-0.067281	-0.896966	0.358414	-3.906250	3.906250	0.000000
3580	-0.071619	-0.900680	0.352549	-7.812500	5.859375	1.953125
3581	-0.080471	-0.909158	0.349029	-9.765625	3.906250	1.953125
3582	-0.079533	-0.901745	0.340667	-9.765625	11.718750	1.953125
3583	-0.078970	-0.897297	0.316900	-13.671875	21.484375	3.906250
3584	-0.078632	-0.869628	0.265140	-33.203125	35.156250	7.812500
3585	-0.084679	-0.834277	0.171584	-52.734375	66.406250	11.718750
3586	-0.107057	-0.788066	0.027951	-83.984375	89.843750	39.062500
3587	-0.164234	-0.754090	-0.176980	-117.187500	134.765625	44.921875
3588	-0.267291	-0.752454	-0.412438	-148.437500	158.203125	37.109375
3589	-0.266624	-0.726472	-0.659963	-140.625000	189.453125	50.781250
3590	-0.222475	-0.573383	-0.839728	-171.875000	203.125000	-29.296875
3591	-0.058485	-0.587780	-1.053837	-175.781250	41.015625	27.343750
3592	0.221159	-0.565168	-1.082302	13.671875	21.484375	74.218750
3593	0.320195	-0.345351	-0.986881	66.406250	29.296875	-19.531250
3594	0.385867	-0.257210	-0.960879	7.812500	-3.906250	-11.718750
3595	0.463388	-0.170597	-0.937101	0.000000	0.000000	0.000000
3596	0.465533	-0.171108	-0.937261	-1.953125	0.000000	1.953125
3597	0.466820	-0.177665	-0.937356	0.000000	-1.953125	1.953125
3598	0.467592	-0.181599	-0.937414	0.000000	-1.953125	0.000000
3599	0.461805	-0.177709	-0.937448	0.000000	-1.953125	0.000000
3600	0.464583	-0.175376	-0.937469	0.000000	-1.953125	3.906250
3601	0.497500	-0.173975	-0.962481	5.859375	-11.718750	13.671875
3602	0.667250	-0.135635	-1.058739	-3.906250	-50.781250	11.718750
3603	0.725350	-0.143881	-1.191493	13.671875	-7.812500	-21.484375
3604	0.603960	-0.205079	-1.196146	-9.765625	19.531250	44.921875
3605	0.287376	-0.329297	-0.948938	-3.906250	87.890625	-52.734375
3606	-0.190074	-0.460078	-0.606863	44.921875	-60.546875	-115.234375
3607	-0.176545	-0.669797	-0.626618	150.390625	-189.453125	-68.359375
3608	-0.337177	-0.995628	-0.882221	248.046875	-197.265625	-50.781250
3609	-0.496056	-1.184877	-1.316832	248.046875	-205.078125	-23.437500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3610	-0.422634	-0.917176	-1.271349	187.500000	-164.062500	-21.484375
3611	-0.172330	-0.744056	-0.794060	52.734375	-95.703125	-11.718750
3612	-0.065898	-0.740183	-0.345186	27.343750	-7.812500	11.718750
3613	-0.064539	-0.794110	-0.038361	13.671875	5.859375	17.578125
3614	-0.057473	-0.826466	0.158233	-1.953125	0.000000	-1.953125
3615	-0.065734	-0.839630	0.269940	0.000000	1.953125	-1.953125
3616	-0.070690	-0.853778	0.336964	-1.953125	-1.953125	1.953125
3617	-0.073664	-0.868517	0.370928	-1.953125	-3.906250	1.953125
3618	-0.062949	-0.877360	0.385057	0.000000	-1.953125	0.000000
3619	-0.062769	-0.882666	0.393534	1.953125	0.000000	-1.953125
3620	-0.068911	-0.873350	0.411121	0.000000	0.000000	-1.953125
3621	-0.072597	-0.874010	0.421672	-1.953125	1.953125	-1.953125
3622	-0.074808	-0.880656	0.421753	-1.953125	1.953125	-1.953125
3623	-0.076135	-0.872144	0.421802	-1.953125	3.906250	-1.953125
3624	-0.070681	-0.867036	0.421831	-5.859375	3.906250	0.000000
3625	-0.079909	-0.882722	0.415599	-9.765625	9.765625	-1.953125
3626	-0.072945	-0.879633	0.405609	-11.718750	11.718750	0.000000
3627	-0.081267	-0.896530	0.393366	-13.671875	19.531250	-3.906250
3628	-0.092510	-0.875418	0.361019	-7.812500	17.578125	5.859375
3629	-0.111756	-0.881501	0.329112	-13.671875	31.250000	9.765625
3630	-0.123304	-0.878900	0.272467	-27.343750	46.875000	7.812500
3631	-0.130232	-0.833590	0.163480	-50.781250	70.312500	17.578125
3632	-0.115639	-0.712654	-0.026912	-111.328125	158.203125	-5.859375
3633	-0.156884	-0.646342	-0.291147	-183.593750	195.312500	1.953125
3634	-0.131630	-0.612805	-0.643438	-238.281250	226.562500	-97.656250
3635	-0.016478	-0.511433	-1.123563	-250.000000	89.843750	50.781250
3636	0.115113	-0.788110	-1.161638	-117.187500	-11.718750	126.953125
3637	0.200318	-0.541616	-1.134483	115.234375	37.109375	-35.156250
3638	0.232691	-0.374970	-1.011940	19.531250	-5.859375	46.875000
3639	0.352114	-0.274982	-0.988414	1.953125	41.015625	-41.015625
3640	0.441960	-0.212193	-0.937709	1.953125	-3.906250	-5.859375
3641	0.446426	-0.214816	-0.937625	-1.953125	-1.953125	-1.953125
3642	0.442856	-0.210139	-0.937575	0.000000	-1.953125	-3.906250
3643	0.446963	-0.201084	-0.937545	0.000000	-1.953125	-3.906250
3644	0.449428	-0.201900	-0.937527	-1.953125	-1.953125	0.000000
3645	0.450907	-0.202390	-0.937516	-1.953125	-1.953125	1.953125
3646	0.470544	-0.202684	-0.943760	0.000000	-5.859375	9.765625
3647	0.557326	-0.165360	-0.991256	9.765625	-74.218750	-5.859375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3648	0.628146	-0.136716	-1.138504	-13.671875	-56.640625	56.640625
3649	0.558138	-0.163280	-1.245602	5.859375	60.546875	5.859375
3650	0.353633	-0.222968	-1.103611	-25.390625	80.078125	-29.296875
3651	0.043430	-0.402531	-0.768417	-29.296875	19.531250	-97.656250
3652	-0.130192	-0.566518	-0.611050	87.890625	-105.468750	-91.796875
3653	-0.209365	-0.683661	-0.754130	179.687500	-158.203125	-64.453125
3654	-0.481869	-1.016447	-1.114978	246.093750	-187.500000	-70.312500
3655	-0.582872	-1.047368	-1.468987	248.046875	-250.000000	-46.875000
3656	-0.387223	-0.778421	-1.287642	134.765625	-185.546875	-33.203125
3657	-0.157334	-0.667052	-0.766335	44.921875	-52.734375	-9.765625
3658	-0.088150	-0.725231	-0.328551	27.343750	7.812500	0.000000
3659	-0.102890	-0.753889	-0.028381	15.625000	3.906250	3.906250
3660	-0.111734	-0.796083	0.164222	1.953125	3.906250	-1.953125
3661	-0.117040	-0.821400	0.267283	3.906250	0.000000	0.000000
3662	-0.113974	-0.836590	0.329120	-1.953125	1.953125	1.953125
3663	-0.130885	-0.858204	0.372472	1.953125	1.953125	3.906250
3664	-0.134781	-0.852422	0.392233	1.953125	0.000000	1.953125
3665	-0.137118	-0.861453	0.397840	-3.906250	-1.953125	-1.953125
3666	-0.132271	-0.873122	0.401204	-1.953125	-1.953125	-1.953125
3667	-0.135613	-0.873873	0.403222	0.000000	1.953125	0.000000
3668	-0.137618	-0.868074	0.404433	-1.953125	1.953125	1.953125
3669	-0.145071	-0.877094	0.417660	-1.953125	0.000000	0.000000
3670	-0.130792	-0.870007	0.413096	-3.906250	1.953125	0.000000
3671	-0.128475	-0.872004	0.410358	-7.812500	7.812500	0.000000
3672	-0.139585	-0.873202	0.402465	-9.765625	11.718750	0.000000
3673	-0.140001	-0.861421	0.378979	-15.625000	17.578125	0.000000
3674	-0.146501	-0.860603	0.346137	-25.390625	29.296875	0.000000
3675	-0.131650	-0.785112	0.245182	-46.875000	48.828125	11.718750
3676	-0.141490	-0.752317	0.072109	-83.984375	107.421875	11.718750
3677	-0.191144	-0.732640	-0.156734	-126.953125	142.578125	41.015625
3678	-0.252186	-0.683334	-0.412791	-189.453125	187.500000	-7.812500
3679	-0.226312	-0.541250	-0.760174	-212.890625	248.046875	27.343750
3680	-0.142037	-0.531000	-1.212355	-250.000000	169.921875	125.000000
3681	0.008528	-0.674850	-1.139913	-87.890625	-50.781250	-27.343750
3682	0.167617	-0.479910	-1.133948	121.093750	31.250000	33.203125
3683	0.231820	-0.262946	-1.017869	50.781250	-5.859375	82.031250
3684	0.339092	-0.245268	-1.004471	-17.578125	7.812500	-21.484375
3685	0.397205	-0.215911	-0.983933	5.859375	11.718750	-23.437500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3686	0.413323	-0.198296	-0.965360	3.906250	-5.859375	-1.953125
3687	0.410494	-0.200228	-0.960466	0.000000	-3.906250	-9.765625
3688	0.408796	-0.201387	-0.957529	1.953125	-1.953125	-1.953125
3689	0.414028	-0.202082	-0.955768	3.906250	0.000000	-5.859375
3690	0.417167	-0.202499	-0.954711	3.906250	-1.953125	-1.953125
3691	0.371227	-0.287090	-0.947509	-5.859375	-1.953125	7.812500
3692	0.366486	-0.303504	-0.943505	0.000000	-1.953125	-7.812500
3693	0.369892	-0.300852	-0.947353	-1.953125	-3.906250	-11.718750
3694	0.378185	-0.280511	-0.943412	1.953125	-1.953125	-13.671875
3695	0.370661	-0.274557	-0.947297	-1.953125	-1.953125	-5.859375
3696	0.366147	-0.283484	-0.949628	-1.953125	-3.906250	-5.859375
3697	0.382188	-0.288840	-0.951027	1.953125	-3.906250	-9.765625
3698	0.454313	-0.385804	-0.983116	19.531250	-37.109375	-9.765625
3699	0.585088	-0.531483	-1.121120	115.234375	-44.921875	-72.265625
3700	0.513553	-0.456390	-1.110172	101.562500	7.812500	-101.562500
3701	0.345632	-0.417584	-0.916103	5.859375	-29.296875	-35.156250
3702	-0.048871	-0.425550	-0.605912	21.484375	-74.218750	-64.453125
3703	-0.335573	-0.605330	-0.438547	74.218750	-201.171875	-11.718750
3704	-0.538844	-1.031948	-0.625628	162.109375	-250.000000	-1.953125
3705	-0.729556	-1.319169	-0.975377	224.609375	-250.000000	-56.640625
3706	-0.568984	-1.072751	-1.072726	189.453125	-199.218750	-15.625000
3707	-0.191390	-0.781151	-0.693636	56.640625	-46.875000	13.671875
3708	-0.189834	-0.718690	-0.191181	3.906250	-5.859375	11.718750
3709	-0.151400	-0.762464	0.116541	-7.812500	-7.812500	11.718750
3710	-0.134590	-0.794979	0.282425	-5.859375	-5.859375	1.953125
3711	-0.149504	-0.789487	0.394455	-5.859375	-3.906250	-7.812500
3712	-0.120953	-0.792442	0.417923	-7.812500	7.812500	-5.859375
3713	-0.116322	-0.762965	0.369504	-29.296875	33.203125	-13.671875
3714	-0.101043	-0.695279	0.271702	-85.937500	74.218750	-9.765625
3715	-0.104376	-0.754668	0.081771	-136.718750	158.203125	-17.578125
3716	-0.125125	-0.852801	-0.175937	-158.203125	228.515625	-39.062500
3717	-0.131325	-0.874180	-0.399312	-191.406250	208.984375	-27.343750
3718	-0.091295	-0.849508	-0.614587	-173.828125	121.093750	33.203125
3719	-0.023527	-0.747205	-0.737502	-136.718750	95.703125	109.375000
3720	0.010884	-0.585823	-0.898751	-160.156250	78.125000	177.734375
3721	0.069030	-0.588994	-1.026751	-140.625000	78.125000	103.515625
3722	0.247668	-0.484646	-1.028551	25.390625	-56.640625	-15.625000
3723	0.348601	-0.328288	-0.985880	17.578125	13.671875	-7.812500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3724	0.371661	-0.278223	-0.979028	1.953125	-1.953125	-15.625000
3725	0.360496	-0.204434	-0.974917	5.859375	0.000000	1.953125
3726	0.360048	-0.185160	-0.972450	1.953125	1.953125	1.953125
3727	0.353529	-0.161096	-0.977220	0.000000	-1.953125	3.906250
3728	0.402130	-0.150551	-0.977903	7.812500	-7.812500	-3.906250
3729	0.497528	-0.140331	-0.992992	15.625000	-25.390625	-48.828125
3730	0.623517	-0.221698	-1.114545	3.906250	9.765625	-37.109375
3731	0.655360	-0.183019	-1.224977	25.390625	74.218750	-148.437500
3732	0.568216	-0.209811	-1.109986	1.953125	83.984375	-66.406250
3733	0.397180	-0.300887	-0.834742	29.296875	46.875000	-39.062500
3734	0.182058	-0.405532	-0.600845	93.750000	-31.250000	-70.312500
3735	0.059235	-0.624569	-0.616757	212.890625	-167.968750	19.531250
3736	-0.158209	-1.143492	-0.957554	248.046875	-248.046875	72.265625
3737	-0.369926	-1.486095	-1.368283	248.046875	-250.000000	48.828125
3738	-0.303205	-1.216657	-1.302220	248.046875	-250.000000	33.203125
3739	-0.013173	-0.829994	-0.775082	95.703125	-76.171875	54.687500
3740	0.117096	-0.685497	-0.246299	9.765625	3.906250	1.953125
3741	0.095258	-0.680048	0.170971	7.812500	5.859375	3.906250
3742	0.088405	-0.664279	0.415082	5.859375	-3.906250	1.953125
3743	0.096793	-0.667317	0.542799	3.906250	0.000000	0.000000
3744	0.089326	-0.637890	0.625680	3.906250	0.000000	-1.953125
3745	0.078595	-0.620234	0.681658	0.000000	1.953125	-1.953125
3746	0.084657	-0.628391	0.715245	-3.906250	0.000000	-1.953125
3747	0.100794	-0.627034	0.729147	-5.859375	-1.953125	-1.953125
3748	0.110477	-0.626221	0.731238	-9.765625	9.765625	-5.859375
3749	0.103786	-0.638232	0.726243	-21.484375	19.531250	-11.718750
3750	0.106022	-0.645439	0.698246	-41.015625	33.203125	-13.671875
3751	0.069863	-0.668514	0.637697	-54.687500	64.453125	-17.578125
3752	0.048168	-0.701108	0.532618	-70.312500	89.843750	-21.484375
3753	0.003901	-0.695665	0.382071	-95.703125	123.046875	-9.765625
3754	-0.060160	-0.686149	0.160493	-136.718750	154.296875	1.953125
3755	-0.117346	-0.692939	-0.166204	-169.921875	226.562500	5.859375
3756	-0.182907	-0.678264	-0.480973	-207.031250	197.265625	39.062500
3757	-0.247244	-0.625708	-0.726084	-208.984375	195.312500	50.781250
3758	-0.198347	-0.537925	-1.079400	-216.796875	136.718750	183.593750
3759	-0.137758	-0.660255	-1.085140	-99.609375	29.296875	80.078125
3760	0.261095	-0.427403	-1.069834	91.796875	7.812500	-82.031250
3761	0.319157	-0.331442	-1.029400	-13.671875	-17.578125	11.718750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3762	0.310244	-0.223865	-1.017640	3.906250	9.765625	1.953125
3763	0.317397	-0.203069	-1.004334	3.906250	-3.906250	3.906250
3764	0.340438	-0.165591	-0.996350	1.953125	-5.859375	1.953125
3765	0.354263	-0.155605	-0.991560	1.953125	0.000000	-7.812500
3766	0.437073	-0.204126	-1.009447	15.625000	-15.625000	-9.765625
3767	0.549744	-0.234976	-1.118168	37.109375	-66.406250	-25.390625
3768	0.567346	-0.234735	-1.233401	52.734375	-5.859375	-101.562500
3769	0.427908	-0.303341	-1.146291	5.859375	54.687500	-76.171875
3770	0.237995	-0.394505	-0.881524	-27.343750	58.593750	-136.718750
3771	0.055297	-0.505453	-0.635165	25.390625	-27.343750	-119.140625
3772	-0.035572	-0.603272	-0.624849	146.484375	-132.812500	-42.968750
3773	-0.190093	-0.843213	-0.768659	226.562500	-166.015625	-50.781250
3774	-0.464056	-1.149678	-1.154946	248.046875	-216.796875	-23.437500
3775	-0.515934	-1.158557	-1.286717	248.046875	-240.234375	23.437500
3776	-0.322060	-0.913884	-0.965780	136.718750	-152.343750	-1.953125
3777	-0.161986	-0.729580	-0.448218	50.781250	-64.453125	29.296875
3778	-0.084692	-0.700248	-0.043931	7.812500	-29.296875	9.765625
3779	-0.044565	-0.726399	0.217391	-3.906250	-3.906250	5.859375
3780	-0.051739	-0.742089	0.380435	0.000000	0.000000	0.000000
3781	-0.043543	-0.745254	0.472011	-1.953125	5.859375	-1.953125
3782	-0.044876	-0.753402	0.533207	0.000000	5.859375	0.000000
3783	-0.064426	-0.752041	0.569924	1.953125	3.906250	-3.906250
3784	-0.082405	-0.744975	0.598204	0.000000	1.953125	-1.953125
3785	-0.086943	-0.740735	0.608923	-3.906250	-1.953125	-3.906250
3786	-0.064666	-0.738191	0.602854	-5.859375	3.906250	-3.906250
3787	-0.038800	-0.692915	0.555462	-31.250000	23.437500	-7.812500
3788	0.007970	-0.653249	0.402027	-83.984375	82.031250	0.000000
3789	-0.070218	-0.598199	0.134966	-166.015625	166.015625	15.625000
3790	-0.204631	-0.621420	-0.262770	-199.218750	248.046875	13.671875
3791	-0.360278	-0.641602	-0.645162	-220.703125	238.281250	66.406250
3792	-0.441167	-0.666211	-0.999597	-185.546875	183.593750	105.468750
3793	-0.427200	-0.612227	-1.093508	-109.375000	158.203125	248.046875
3794	-0.293820	-0.654836	-1.018605	-56.640625	54.687500	82.031250
3795	-0.057542	-0.517902	-0.948663	-11.718750	-44.921875	1.953125
3796	0.109225	-0.416991	-0.956698	19.531250	-7.812500	7.812500
3797	0.171785	-0.331445	-0.967769	15.625000	-3.906250	-15.625000
3798	0.221821	-0.273867	-0.980661	13.671875	-13.671875	15.625000
3799	0.258093	-0.258070	-0.988397	-3.906250	-19.531250	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3800	0.267356	-0.242342	-0.993038	0.000000	0.000000	-1.953125
3801	0.241663	-0.245405	-0.995823	-1.953125	0.000000	1.953125
3802	0.219998	-0.240993	-0.997494	0.000000	0.000000	1.953125
3803	0.213249	-0.244596	-0.998496	-1.953125	0.000000	-3.906250
3804	0.215449	-0.253008	-0.999098	-1.953125	-1.953125	-5.859375
3805	0.210520	-0.251805	-0.999459	0.000000	-1.953125	-3.906250
3806	0.336235	-0.178576	-0.984744	0.000000	0.000000	-1.953125
3807	0.332991	-0.175896	-0.984596	0.000000	0.000000	-1.953125
3808	0.337295	-0.174287	-0.984508	0.000000	0.000000	0.000000
3809	0.339877	-0.173322	-0.984455	0.000000	0.000000	0.000000
3810	0.341426	-0.172743	-0.984423	0.000000	0.000000	0.000000
3811	0.342356	-0.178646	-0.984404	0.000000	0.000000	-1.953125
3812	0.342913	-0.175938	-0.984392	1.953125	0.000000	-1.953125
3813	0.436998	-0.199313	-1.003135	13.671875	-11.718750	-50.781250
3814	0.624699	-0.132088	-1.139381	7.812500	-17.578125	-107.421875
3815	0.649819	-0.123003	-1.252379	17.578125	1.953125	54.687500
3816	0.458642	-0.230052	-1.182677	0.000000	70.312500	-33.203125
3817	0.081435	-0.356781	-0.853356	-11.718750	62.500000	-146.484375
3818	-0.169889	-0.514069	-0.599514	97.656250	-91.796875	-60.546875
3819	-0.208183	-0.708441	-0.772208	210.937500	-173.828125	-33.203125
3820	-0.324910	-1.025065	-1.025825	248.046875	-197.265625	-56.640625
3821	-0.513696	-1.202539	-1.190495	248.046875	-207.031250	-42.968750
3822	-0.476968	-1.034023	-1.183047	181.640625	-210.937500	-29.296875
3823	-0.079931	-0.789164	-0.834828	29.296875	-87.890625	-23.437500
3824	-0.041708	-0.785998	-0.363397	1.953125	21.484375	9.765625
3825	-0.081275	-0.834099	-0.049288	1.953125	-7.812500	21.484375
3826	0.001235	-0.887959	0.082927	-15.625000	0.000000	-7.812500
3827	-0.030509	-0.920276	0.193506	0.000000	11.718750	-3.906250
3828	-0.037055	-0.902165	0.259854	1.953125	-1.953125	0.000000
3829	-0.028483	-0.910049	0.287162	-1.953125	3.906250	-1.953125
3830	-0.029590	-0.927280	0.309797	0.000000	5.859375	-3.906250
3831	-0.030254	-0.912618	0.317128	-3.906250	5.859375	-3.906250
3832	-0.018152	-0.872571	0.284027	-23.437500	11.718750	-3.906250
3833	-0.004641	-0.804792	0.176666	-50.781250	46.875000	1.953125
3834	-0.015285	-0.689125	0.024750	-111.328125	80.078125	35.156250
3835	-0.077921	-0.669725	-0.216400	-181.640625	173.828125	-11.718750
3836	-0.109253	-0.808085	-0.567340	-179.687500	226.562500	27.343750
3837	-0.146802	-0.766101	-0.796654	-197.265625	171.875000	72.265625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3838	-0.081831	-0.672161	-1.002992	-201.171875	115.234375	134.765625
3839	-0.017849	-0.697046	-1.145545	-203.125000	119.140625	48.828125
3840	0.064291	-0.618228	-1.087327	15.625000	-31.250000	58.593750
3841	0.182325	-0.420937	-1.033646	76.171875	-41.015625	64.453125
3842	0.365645	-0.327562	-1.038938	15.625000	11.718750	-5.859375
3843	0.431887	-0.209037	-0.979613	11.718750	11.718750	-3.906250
3844	0.421632	-0.206672	-0.975268	-5.859375	-11.718750	15.625000
3845	0.390479	-0.224003	-0.972661	-5.859375	-7.812500	5.859375
3846	0.390538	-0.221902	-0.971096	5.859375	1.953125	-9.765625
3847	0.403073	-0.201891	-0.957658	3.906250	0.000000	-7.812500
3848	0.404344	-0.202385	-0.955845	-1.953125	-1.953125	0.000000
3849	0.398856	-0.215181	-0.954757	-1.953125	-1.953125	1.953125
3850	0.395564	-0.210359	-0.954104	0.000000	-1.953125	0.000000
3851	0.393588	-0.213715	-0.953712	-1.953125	-1.953125	-1.953125
3852	0.390855	-0.216108	-0.953171	0.000000	0.000000	0.000000
3853	0.390763	-0.217165	-0.953152	-1.953125	0.000000	0.000000
3854	0.390708	-0.217799	-0.953141	0.000000	0.000000	0.000000
3855	0.396925	-0.218179	-0.953135	0.000000	0.000000	0.000000
3856	0.394405	-0.218408	-0.953131	0.000000	-1.953125	-1.953125
3857	0.399143	-0.218545	-0.953129	0.000000	-1.953125	-1.953125
3858	0.426986	-0.243627	-0.965627	9.765625	-5.859375	-13.671875
3859	0.537441	-0.239926	-1.023126	19.531250	-68.359375	-25.390625
3860	0.647465	-0.231456	-1.195126	17.578125	-46.875000	-5.859375
3861	0.519729	-0.226373	-1.204575	17.578125	21.484375	-25.390625
3862	0.305587	-0.285824	-1.016495	-23.437500	62.500000	-64.453125
3863	0.083352	-0.427744	-0.703647	1.953125	42.968750	-107.421875
3864	-0.074989	-0.587897	-0.534688	117.187500	-85.937500	-56.640625
3865	-0.201243	-0.821488	-0.652063	222.656250	-195.312500	-13.671875
3866	-0.408246	-1.192893	-0.947488	248.046875	-224.609375	3.906250
3867	-0.476198	-1.303236	-1.174743	248.046875	-210.937500	-13.671875
3868	-0.254469	-1.006941	-1.029846	115.234375	-169.921875	7.812500
3869	0.003569	-0.866665	-0.592907	15.625000	-64.453125	9.765625
3870	0.052141	-0.832499	-0.218244	11.718750	-1.953125	15.625000
3871	0.043785	-0.855749	0.050303	3.906250	0.000000	5.859375
3872	0.051271	-0.850950	0.205182	-1.953125	-3.906250	-3.906250
3873	0.037013	-0.879320	0.304359	0.000000	0.000000	1.953125
3874	0.034708	-0.877592	0.357616	-1.953125	1.953125	-1.953125
3875	0.027075	-0.876555	0.383319	-1.953125	3.906250	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3876	0.022495	-0.875933	0.398742	-3.906250	3.906250	1.953125
3877	0.025997	-0.881810	0.414245	-5.859375	5.859375	0.000000
3878	0.028098	-0.879086	0.417297	-5.859375	3.906250	0.000000
3879	0.016859	-0.871202	0.406628	-7.812500	5.859375	0.000000
3880	0.022615	-0.860221	0.387727	-17.578125	13.671875	1.953125
3881	0.026069	-0.841133	0.326386	-44.921875	21.484375	7.812500
3882	0.040642	-0.817180	0.195832	-66.406250	83.984375	13.671875
3883	0.005635	-0.802808	0.029999	-123.046875	125.000000	13.671875
3884	-0.115369	-0.769185	-0.232001	-148.437500	177.734375	19.531250
3885	-0.169221	-0.749011	-0.514200	-183.593750	173.828125	19.531250
3886	-0.195283	-0.711906	-0.733520	-185.546875	154.296875	11.718750
3887	-0.179670	-0.639644	-0.927612	-160.156250	99.609375	144.531250
3888	-0.095302	-0.696286	-1.031567	-132.812500	35.156250	70.312500
3889	0.024069	-0.617772	-1.031440	21.484375	-7.812500	1.953125
3890	0.239441	-0.401913	-0.987614	58.593750	78.125000	-46.875000
3891	0.324915	-0.297398	-0.961319	-5.859375	-9.765625	-3.906250
3892	0.344949	-0.247189	-0.964291	5.859375	-1.953125	-17.578125
3893	0.363219	-0.223313	-0.959825	1.953125	0.000000	-1.953125
3894	0.392932	-0.202738	-0.957145	0.000000	3.906250	0.000000
3895	0.421109	-0.187903	-0.953254	1.953125	-1.953125	1.953125
3896	0.471415	-0.206492	-0.978203	13.671875	-25.390625	-13.671875
3897	0.589099	-0.192645	-1.099422	-11.718750	-70.312500	-1.953125
3898	0.597210	-0.153087	-1.209653	17.578125	-13.671875	15.625000
3899	0.495826	-0.148102	-1.182042	-15.625000	58.593750	-31.250000
3900	0.247495	-0.276361	-0.977975	-60.546875	76.171875	-60.546875
3901	-0.032753	-0.515817	-0.711785	33.203125	-27.343750	-78.125000
3902	-0.182152	-0.703240	-0.670821	195.312500	-128.906250	-50.781250
3903	-0.396791	-0.990694	-0.946243	248.046875	-218.750000	-46.875000
3904	-0.544325	-1.206916	-1.361496	248.046875	-244.140625	-68.359375
3905	-0.395345	-0.955400	-1.410647	207.031250	-156.250000	-39.062500
3906	-0.062207	-0.735740	-0.996388	58.593750	-68.359375	0.000000
3907	0.000176	-0.735194	-0.479083	29.296875	3.906250	13.671875
3908	-0.031144	-0.772366	-0.118700	19.531250	7.812500	25.390625
3909	-0.012437	-0.813420	0.097530	-5.859375	-7.812500	0.000000
3910	-0.001212	-0.856802	0.208518	-3.906250	-1.953125	1.953125
3911	-0.000727	-0.882831	0.275111	3.906250	1.953125	5.859375
3912	-0.006686	-0.898449	0.315067	1.953125	-1.953125	0.000000
3913	0.002238	-0.901569	0.332790	1.953125	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3914	-0.004907	-0.903442	0.349674	1.953125	3.906250	0.000000
3915	-0.015444	-0.904565	0.372304	0.000000	-1.953125	0.000000
3916	-0.015517	-0.892739	0.379633	0.000000	0.000000	-3.906250
3917	-0.015560	-0.898143	0.384030	-1.953125	1.953125	-3.906250
3918	-0.021836	-0.895136	0.392918	-1.953125	1.953125	-3.906250
3919	-0.013102	-0.862082	0.379501	-11.718750	5.859375	-1.953125
3920	0.004639	-0.810999	0.321450	-39.062500	17.578125	13.671875
3921	-0.009717	-0.730349	0.192870	-76.171875	58.593750	13.671875
3922	0.000420	-0.669460	-0.015528	-152.343750	119.140625	5.859375
3923	-0.043498	-0.695426	-0.334317	-197.265625	191.406250	17.578125
3924	-0.101099	-0.642255	-0.706840	-250.000000	220.703125	-72.265625
3925	-0.110659	-0.491603	-1.199104	-250.000000	144.531250	238.281250
3926	-0.122646	-0.732462	-1.263212	-210.937500	97.656250	107.421875
3927	0.032663	-0.645727	-1.195427	42.968750	-17.578125	25.390625
3928	0.082098	-0.443686	-1.067256	44.921875	-9.765625	42.968750
3929	0.155509	-0.384962	-1.015354	5.859375	-27.343750	17.578125
3930	0.487055	-0.280977	-0.934212	46.875000	85.937500	-9.765625
3931	0.485983	-0.256086	-0.929277	-7.812500	-39.062500	-11.718750
3932	0.422840	-0.234902	-0.938816	1.953125	-3.906250	-19.531250
3933	0.422454	-0.247191	-0.950790	0.000000	5.859375	-5.859375
3934	0.453472	-0.229565	-0.932974	0.000000	5.859375	0.000000
3935	0.447083	-0.231489	-0.934784	1.953125	-5.859375	-5.859375
3936	0.437000	-0.226393	-0.935871	0.000000	0.000000	0.000000
3937	0.443450	-0.229586	-0.930272	-1.953125	0.000000	5.859375
3938	0.441070	-0.231502	-0.926913	0.000000	-1.953125	-1.953125
3939	0.439642	-0.232651	-0.931148	0.000000	0.000000	0.000000
3940	0.441070	-0.231502	-0.926913	0.000000	-1.953125	-1.953125
3941	0.439642	-0.232651	-0.931148	0.000000	0.000000	0.000000
3942	0.445035	-0.239591	-0.927439	0.000000	-1.953125	0.000000
3943	0.442021	-0.243754	-0.931463	0.000000	-1.953125	-1.953125
3944	0.446463	-0.240003	-0.933878	0.000000	0.000000	0.000000
3945	0.455378	-0.244002	-0.941577	3.906250	-5.859375	-1.953125
3946	0.510727	-0.246401	-0.952446	11.718750	-35.156250	-17.578125
3947	0.606436	-0.210341	-1.008968	9.765625	-31.250000	-1.953125
3948	0.645112	-0.232454	-1.142881	9.765625	-19.531250	-1.953125
3949	0.530817	-0.289473	-1.154478	7.812500	42.968750	-19.531250
3950	0.274740	-0.342434	-0.930187	-31.250000	37.109375	-58.593750
3951	0.064844	-0.467960	-0.658112	-9.765625	-42.968750	-80.078125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3952	-0.129844	-0.637026	-0.576117	130.859375	-166.015625	0.000000
3953	-0.421656	-0.944716	-0.776920	226.562500	-246.093750	9.765625
3954	-0.809244	-1.191829	-1.184902	248.046875	-250.000000	-15.625000
3955	-0.741796	-1.046348	-1.335941	162.109375	-250.000000	-60.546875
3956	-0.382578	-0.752809	-0.970315	54.687500	-121.093750	-37.109375
3957	-0.223297	-0.664185	-0.463439	17.578125	-1.953125	5.859375
3958	-0.196478	-0.736011	-0.090563	11.718750	7.812500	19.531250
3959	-0.186637	-0.810357	0.133162	-1.953125	-9.765625	-1.953125
3960	-0.155732	-0.829964	0.248647	0.000000	-7.812500	-5.859375
3961	-0.155939	-0.829228	0.324188	1.953125	-1.953125	0.000000
3962	-0.156064	-0.841287	0.382013	1.953125	0.000000	1.953125
3963	-0.143638	-0.854772	0.404208	1.953125	0.000000	1.953125
3964	-0.136183	-0.844113	0.417525	-1.953125	1.953125	0.000000
3965	-0.150460	-0.850218	0.431765	-3.906250	7.812500	-1.953125
3966	-0.140276	-0.816381	0.415309	-13.671875	9.765625	1.953125
3967	-0.121666	-0.764828	0.361685	-44.921875	27.343750	7.812500
3968	-0.135499	-0.721397	0.242011	-70.312500	72.265625	19.531250
3969	-0.206300	-0.676588	0.088957	-97.656250	113.281250	60.546875
3970	-0.355030	-0.774703	-0.109126	-89.843750	201.171875	9.765625
3971	-0.356768	-0.821072	-0.365476	-80.078125	228.515625	-11.718750
3972	-0.382811	-0.742643	-0.556785	-134.765625	201.171875	1.953125
3973	-0.267186	-0.701836	-0.765321	-146.484375	134.765625	-9.765625
3974	-0.104062	-0.627352	-0.921693	-138.671875	60.546875	1.953125
3975	0.056313	-0.607661	-0.984266	-46.875000	17.578125	62.500000
3976	0.208788	-0.483347	-0.971809	35.156250	35.156250	-25.390625
3977	0.287773	-0.327508	-0.951836	17.578125	5.859375	-5.859375
3978	0.347664	-0.265255	-0.952351	1.953125	1.953125	1.953125
3979	0.389848	-0.215403	-0.952661	-1.953125	1.953125	1.953125
3980	0.408909	-0.216742	-0.946596	-3.906250	0.000000	13.671875
3981	0.414095	-0.223795	-0.942958	0.000000	0.000000	-1.953125
3982	0.468588	-0.187568	-0.937468	0.000000	-1.953125	-1.953125
3983	0.468653	-0.187541	-0.937481	0.000000	-1.953125	-1.953125
3984	0.468692	-0.187524	-0.937489	0.000000	-1.953125	-1.953125
3985	0.474965	-0.181265	-0.931243	-1.953125	0.000000	1.953125
3986	0.472479	-0.183759	-0.933746	0.000000	-1.953125	1.953125
3987	0.477237	-0.172755	-0.935248	0.000000	-5.859375	11.718750
3988	0.536342	-0.134903	-0.954899	-5.859375	-27.343750	54.687500
3989	0.603055	-0.243442	-1.035439	0.000000	-39.062500	-1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
3990	0.618083	-0.227315	-1.146263	31.250000	-15.625000	-46.875000
3991	0.595850	-0.248889	-1.112758	7.812500	46.875000	-31.250000
3992	0.270010	-0.424333	-0.842655	7.812500	72.265625	-105.468750
3993	-0.056744	-0.642100	-0.568093	101.562500	-97.656250	-33.203125
3994	-0.259046	-0.885260	-0.672106	222.656250	-210.937500	-13.671875
3995	-0.474178	-1.199906	-1.040763	248.046875	-248.046875	-31.250000
3996	-0.447007	-1.194944	-1.286958	232.421875	-208.984375	-46.875000
3997	-0.205704	-0.873216	-1.090925	117.187500	-123.046875	-13.671875
3998	0.001578	-0.736430	-0.629555	17.578125	-15.625000	11.718750
3999	0.019697	-0.804358	-0.215233	-11.718750	9.765625	0.000000
4000	-0.031932	-0.857615	0.039610	7.812500	0.000000	17.578125
4001	-0.031659	-0.864569	0.167516	1.953125	-5.859375	5.859375
4002	-0.031496	-0.893741	0.244260	0.000000	-3.906250	5.859375
4003	-0.031397	-0.898745	0.290306	5.859375	3.906250	5.859375
4004	-0.043838	-0.901747	0.324183	3.906250	3.906250	0.000000
4005	-0.063803	-0.891048	0.344510	0.000000	0.000000	0.000000
4006	-0.075782	-0.890879	0.356706	-1.953125	-1.953125	-1.953125
4007	-0.070469	-0.890777	0.357774	-3.906250	0.000000	1.953125
4008	-0.067281	-0.896966	0.358414	-3.906250	3.906250	0.000000
4009	-0.071619	-0.900680	0.352549	-7.812500	5.859375	1.953125
4010	-0.080471	-0.909158	0.349029	-9.765625	3.906250	1.953125
4011	-0.079533	-0.901745	0.340667	-9.765625	11.718750	1.953125
4012	-0.078970	-0.897297	0.316900	-13.671875	21.484375	3.906250
4013	-0.078632	-0.869628	0.265140	-33.203125	35.156250	7.812500
4014	-0.084679	-0.834277	0.171584	-52.734375	66.406250	11.718750
4015	-0.107057	-0.788066	0.027951	-83.984375	89.843750	39.062500
4016	-0.164234	-0.754090	-0.176980	-117.187500	134.765625	44.921875
4017	-0.267291	-0.752454	-0.412438	-148.437500	158.203125	37.109375
4018	-0.266624	-0.726472	-0.659963	-140.625000	189.453125	50.781250
4019	-0.222475	-0.573383	-0.839728	-171.875000	203.125000	-29.296875
4020	-0.058485	-0.587780	-1.053837	-175.781250	41.015625	27.343750
4021	0.221159	-0.565168	-1.082302	13.671875	21.484375	74.218750
4022	0.320195	-0.345351	-0.986881	66.406250	29.296875	-19.531250
4023	0.385867	-0.257210	-0.960879	7.812500	-3.906250	-11.718750
4024	0.419020	-0.216826	-0.951527	5.859375	3.906250	5.859375
4025	0.457662	-0.186346	-0.939666	9.765625	5.859375	-5.859375
4026	0.474597	-0.174307	-0.932550	-1.953125	-3.906250	3.906250
4027	0.463388	-0.170597	-0.937101	0.000000	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4028	0.465533	-0.171108	-0.937261	-1.953125	0.000000	1.953125
4029	0.466820	-0.177665	-0.937356	0.000000	-1.953125	1.953125
4030	0.467592	-0.181599	-0.937414	0.000000	-1.953125	0.000000
4031	0.461805	-0.177709	-0.937448	0.000000	-1.953125	0.000000
4032	0.464583	-0.175376	-0.937469	0.000000	-1.953125	3.906250
4033	0.497500	-0.173975	-0.962481	5.859375	-11.718750	13.671875
4034	0.667250	-0.135635	-1.058739	-3.906250	-50.781250	11.718750
4035	0.725350	-0.143881	-1.191493	13.671875	-7.812500	-21.484375
4036	0.603960	-0.205079	-1.196146	-9.765625	19.531250	44.921875
4037	0.287376	-0.329297	-0.948938	-3.906250	87.890625	-52.734375
4038	-0.190074	-0.460078	-0.606863	44.921875	-60.546875	-115.234375
4039	-0.176545	-0.669797	-0.626618	150.390625	-189.453125	-68.359375
4040	-0.337177	-0.995628	-0.882221	248.046875	-197.265625	-50.781250
4041	-0.496056	-1.184877	-1.316832	248.046875	-205.078125	-23.437500
4042	-0.422634	-0.917176	-1.271349	187.500000	-164.062500	-21.484375
4043	-0.172330	-0.744056	-0.794060	52.734375	-95.703125	-11.718750
4044	-0.065898	-0.740183	-0.345186	27.343750	-7.812500	11.718750
4045	-0.064539	-0.794110	-0.038361	13.671875	5.859375	17.578125
4046	-0.057473	-0.826466	0.158233	-1.953125	0.000000	-1.953125
4047	-0.065734	-0.839630	0.269940	0.000000	1.953125	-1.953125
4048	-0.070690	-0.853778	0.336964	-1.953125	-1.953125	1.953125
4049	-0.073664	-0.868517	0.370928	-1.953125	-3.906250	1.953125
4050	-0.062949	-0.877360	0.385057	0.000000	-1.953125	0.000000
4051	-0.062769	-0.882666	0.393534	1.953125	0.000000	-1.953125
4052	-0.068911	-0.873350	0.411121	0.000000	0.000000	-1.953125
4053	-0.072597	-0.874010	0.421672	-1.953125	1.953125	-1.953125
4054	-0.074808	-0.880656	0.421753	-1.953125	1.953125	-1.953125
4055	-0.076135	-0.872144	0.421802	-1.953125	3.906250	-1.953125
4056	-0.070681	-0.867036	0.421831	-5.859375	3.906250	0.000000
4057	-0.079909	-0.882722	0.415599	-9.765625	9.765625	-1.953125
4058	-0.072945	-0.879633	0.405609	-11.718750	11.718750	0.000000
4059	-0.081267	-0.896530	0.393366	-13.671875	19.531250	-3.906250
4060	-0.092510	-0.875418	0.361019	-7.812500	17.578125	5.859375
4061	-0.111756	-0.881501	0.329112	-13.671875	31.250000	9.765625
4062	-0.123304	-0.878900	0.272467	-27.343750	46.875000	7.812500
4063	-0.130232	-0.833590	0.163480	-50.781250	70.312500	17.578125
4064	-0.115639	-0.712654	-0.026912	-111.328125	158.203125	-5.859375
4065	-0.156884	-0.646342	-0.291147	-183.593750	195.312500	1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4066	-0.131630	-0.612805	-0.643438	-238.281250	226.562500	-97.656250
4067	-0.016478	-0.511433	-1.123563	-250.000000	89.843750	50.781250
4068	0.115113	-0.788110	-1.161638	-117.187500	-11.718750	126.953125
4069	0.200318	-0.541616	-1.134483	115.234375	37.109375	-35.156250
4070	0.232691	-0.374970	-1.011940	19.531250	-5.859375	46.875000
4071	0.352114	-0.274982	-0.988414	1.953125	41.015625	-41.015625
4072	0.417519	-0.233739	-0.968048	3.906250	1.953125	-3.906250
4073	0.413011	-0.196493	-0.955829	0.000000	-5.859375	13.671875
4074	0.429057	-0.217896	-0.948497	-1.953125	1.953125	7.812500
4075	0.441960	-0.212193	-0.937709	1.953125	-3.906250	-5.859375
4076	0.446426	-0.214816	-0.937625	-1.953125	-1.953125	-1.953125
4077	0.442856	-0.210139	-0.937575	0.000000	-1.953125	-3.906250
4078	0.446963	-0.201084	-0.937545	0.000000	-1.953125	-3.906250
4079	0.449428	-0.201900	-0.937527	-1.953125	-1.953125	0.000000
4080	0.450907	-0.202390	-0.937516	-1.953125	-1.953125	1.953125
4081	0.470544	-0.202684	-0.943760	0.000000	-5.859375	9.765625
4082	0.557326	-0.165360	-0.991256	9.765625	-74.218750	-5.859375
4083	0.628146	-0.136716	-1.138504	-13.671875	-56.640625	56.640625
4084	0.558138	-0.163280	-1.245602	5.859375	60.546875	5.859375
4085	0.353633	-0.222968	-1.103611	-25.390625	80.078125	-29.296875
4086	0.043430	-0.402531	-0.768417	-29.296875	19.531250	-97.656250
4087	-0.130192	-0.566518	-0.611050	87.890625	-105.468750	-91.796875
4088	-0.209365	-0.683661	-0.754130	179.687500	-158.203125	-64.453125
4089	-0.481869	-1.016447	-1.114978	246.093750	-187.500000	-70.312500
4090	-0.582872	-1.047368	-1.468987	248.046875	-250.000000	-46.875000
4091	-0.387223	-0.778421	-1.287642	134.765625	-185.546875	-33.203125
4092	-0.157334	-0.667052	-0.766335	44.921875	-52.734375	-9.765625
4093	-0.088150	-0.725231	-0.328551	27.343750	7.812500	0.000000
4094	-0.102890	-0.753889	-0.028381	15.625000	3.906250	3.906250
4095	-0.111734	-0.796083	0.164222	1.953125	3.906250	-1.953125
4096	-0.117040	-0.821400	0.267283	3.906250	0.000000	0.000000
4097	-0.113974	-0.836590	0.329120	-1.953125	1.953125	1.953125
4098	-0.130885	-0.858204	0.372472	1.953125	1.953125	3.906250
4099	-0.134781	-0.852422	0.392233	1.953125	0.000000	1.953125
4100	-0.137118	-0.861453	0.397840	-3.906250	-1.953125	-1.953125
4101	-0.132271	-0.873122	0.401204	-1.953125	-1.953125	-1.953125
4102	-0.135613	-0.873873	0.403222	0.000000	1.953125	0.000000
4103	-0.137618	-0.868074	0.404433	-1.953125	1.953125	1.953125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4104	-0.145071	-0.877094	0.417660	-1.953125	0.000000	0.000000
4105	-0.130792	-0.870007	0.413096	-3.906250	1.953125	0.000000
4106	-0.128475	-0.872004	0.410358	-7.812500	7.812500	0.000000
4107	-0.139585	-0.873202	0.402465	-9.765625	11.718750	0.000000
4108	-0.140001	-0.861421	0.378979	-15.625000	17.578125	0.000000
4109	-0.146501	-0.860603	0.346137	-25.390625	29.296875	0.000000
4110	-0.131650	-0.785112	0.245182	-46.875000	48.828125	11.718750
4111	-0.141490	-0.752317	0.072109	-83.984375	107.421875	11.718750
4112	-0.191144	-0.732640	-0.156734	-126.953125	142.578125	41.015625
4113	-0.252186	-0.683334	-0.412791	-189.453125	187.500000	-7.812500
4114	-0.226312	-0.541250	-0.760174	-212.890625	248.046875	27.343750
4115	-0.142037	-0.531000	-1.212355	-250.000000	169.921875	125.000000
4116	0.008528	-0.674850	-1.139913	-87.890625	-50.781250	-27.343750
4117	0.167617	-0.479910	-1.133948	121.093750	31.250000	33.203125
4118	0.231820	-0.262946	-1.017869	50.781250	-5.859375	82.031250
4119	0.339092	-0.245268	-1.004471	-17.578125	7.812500	-21.484375
4120	0.397205	-0.215911	-0.983933	5.859375	11.718750	-23.437500
4121	0.413323	-0.198296	-0.965360	3.906250	-5.859375	-1.953125
4122	0.410494	-0.200228	-0.960466	0.000000	-3.906250	-9.765625
4123	0.408796	-0.201387	-0.957529	1.953125	-1.953125	-1.953125
4124	0.414028	-0.202082	-0.955768	3.906250	0.000000	-5.859375
4125	0.417167	-0.202499	-0.954711	3.906250	-1.953125	-1.953125
4126	0.412800	-0.196500	-0.954076	0.000000	-1.953125	-1.953125
4127	0.410180	-0.199150	-0.953696	-3.906250	-1.953125	-1.953125
4128	0.408608	-0.206990	-0.953467	-1.953125	0.000000	0.000000
4129	0.411206	-0.237639	-0.937822	0.000000	0.000000	17.578125
4130	0.415473	-0.242583	-0.937693	-1.953125	-1.953125	1.953125
4131	0.411784	-0.245550	-0.937616	-1.953125	0.000000	3.906250
4132	0.409570	-0.259830	-0.937570	-1.953125	-3.906250	0.000000
4133	0.408242	-0.262148	-0.937542	0.000000	0.000000	-1.953125
4134	0.401195	-0.257289	-0.943775	0.000000	0.000000	0.000000
4135	0.409467	-0.260623	-0.947515	1.953125	0.000000	1.953125
4136	0.433180	-0.325124	-0.981009	15.625000	-5.859375	-1.953125
4137	0.528658	-0.532574	-1.094855	97.656250	-3.906250	-15.625000
4138	0.573445	-0.713295	-1.113163	162.109375	13.671875	9.765625
4139	0.475317	-0.902977	-0.874148	222.656250	21.484375	-3.906250
4140	0.391440	-0.729286	-0.511989	248.046875	64.453125	-138.671875
4141	0.697364	-0.225072	-0.407193	68.359375	103.515625	-144.531250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4142	0.880918	-0.141293	-0.713066	-185.546875	60.546875	-115.234375
4143	0.747301	-0.503526	-0.802840	-82.031250	72.265625	29.296875
4144	0.467131	-0.933365	-0.406704	21.484375	-29.296875	76.171875
4145	0.399028	-1.153769	0.168478	128.906250	-154.296875	101.562500
4146	0.751917	-0.786012	0.394837	185.546875	-85.937500	3.906250
4147	1.119900	-0.227857	0.230652	-60.546875	44.921875	-74.218750
4148	1.271940	-0.261714	-0.349109	-224.609375	99.609375	-119.140625
4149	0.994414	-0.632028	-0.603215	-105.468750	93.750000	7.812500
4150	0.565398	-1.022967	-0.355679	35.156250	-31.250000	37.109375
4151	0.395489	-1.238780	0.199092	103.515625	-177.734375	70.312500
4152	0.737293	-0.874518	0.338205	230.468750	-87.890625	3.906250
4153	1.098626	-0.287211	0.309173	-5.859375	41.015625	-31.250000
4154	1.340426	-0.084827	-0.251996	-216.796875	58.593750	-105.468750
4155	1.091755	-0.488396	-0.626198	-130.859375	93.750000	-56.640625
4156	0.711303	-0.861788	-0.475719	25.390625	-29.296875	39.062500
4157	0.464282	-1.298323	0.220819	66.406250	-109.375000	115.234375
4158	0.616069	-0.978994	0.413741	236.328125	-101.562500	42.968750
4159	1.057141	-0.412396	0.385745	31.250000	33.203125	-54.687500
4160	1.428035	-0.284938	-0.199803	-185.546875	89.843750	-111.328125
4161	1.069321	-0.664713	-0.526132	-117.187500	95.703125	-44.921875
4162	0.485343	-1.067578	-0.290679	23.437500	-64.453125	-9.765625
4163	0.497456	-1.265547	0.294343	101.562500	-191.406250	87.890625
4164	0.810973	-0.878078	0.439106	197.265625	-74.218750	33.203125
4165	1.280334	-0.295597	0.225963	-13.671875	87.890625	-121.093750
4166	1.305700	-0.196108	-0.295672	-246.093750	103.515625	-66.406250
4167	0.827170	-0.461415	-0.514903	-191.406250	105.468750	56.640625
4168	0.383802	-0.683099	-0.446442	-80.078125	-3.906250	134.765625
4169	0.080281	-0.659859	-0.342865	-134.765625	-66.406250	66.406250
4170	-0.026831	-0.783416	-0.461969	-248.046875	-111.328125	66.406250
4171	0.052651	-0.745049	-0.783431	-250.000000	-19.531250	9.765625
4172	0.825341	-1.247030	-1.270059	-150.390625	-66.406250	-70.312500
4173	0.520204	-1.004468	-1.180785	0.000000	39.062500	-125.000000
4174	0.412123	-0.615181	-1.133471	44.921875	29.296875	-91.796875
4175	0.297274	-0.419108	-1.036333	0.000000	33.203125	35.156250
4176	0.259614	-0.370215	-1.015550	-31.250000	-19.531250	-13.671875
4177	0.355768	-0.378379	-1.034330	-5.859375	-58.593750	-46.875000
4178	0.369711	-0.302027	-1.001848	7.812500	13.671875	5.859375
4179	0.334327	-0.287466	-0.994859	-3.906250	13.671875	-9.765625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4180	0.300596	-0.266230	-0.984415	-7.812500	1.953125	3.906250
4181	0.317858	-0.278488	-0.984399	-3.906250	-3.906250	7.812500
4182	0.321965	-0.273343	-0.984389	1.953125	0.000000	1.953125
4183	0.311929	-0.257756	-0.984384	1.953125	1.953125	1.953125
4184	0.328133	-0.250494	-0.968750	0.000000	0.000000	0.000000
4185	0.328130	-0.250297	-0.968750	-1.953125	-1.953125	0.000000
4186	0.328128	-0.250178	-0.968750	0.000000	0.000000	-1.953125
4187	0.328127	-0.250107	-0.968750	0.000000	0.000000	0.000000
4188	0.328126	-0.256314	-0.968750	0.000000	-1.953125	0.000000
4189	0.340626	-0.297538	-1.000000	11.718750	-5.859375	-9.765625
4190	0.366875	-0.491023	-1.143750	87.890625	-35.156250	-35.156250
4191	0.313875	-0.738364	-1.217500	175.781250	-74.218750	-5.859375
4192	0.257075	-0.943018	-0.936750	248.046875	-72.265625	-74.218750
4193	0.435495	-0.772061	-0.580800	248.046875	60.546875	-250.000000
4194	0.686297	-0.244487	-0.604730	-5.859375	216.796875	-244.140625
4195	0.868028	-0.296692	-0.919088	-218.750000	41.015625	-167.968750
4196	0.670817	-0.621765	-0.870203	-33.203125	50.781250	31.250000
4197	0.371240	-1.023059	-0.309622	7.812500	-29.296875	56.640625
4198	0.428994	-1.126335	0.182977	144.531250	-160.156250	83.984375
4199	0.844896	-0.644551	0.366036	177.734375	-50.781250	-15.625000
4200	1.138188	-0.136731	0.213372	-68.359375	74.218750	-72.265625
4201	1.357913	-0.200788	-0.321977	-195.312500	123.046875	-83.984375
4202	1.002248	-0.551723	-0.543186	-123.046875	91.796875	-68.359375
4203	0.470099	-1.049784	-0.388412	41.015625	-44.921875	7.812500
4204	0.363309	-1.198620	0.198203	103.515625	-207.031250	87.890625
4205	0.742985	-0.775422	0.418922	216.796875	-85.937500	23.437500
4206	1.170791	-0.252753	0.376353	-35.156250	44.921875	-35.156250
4207	1.396225	-0.157902	-0.286688	-208.984375	103.515625	-91.796875
4208	1.081485	-0.507241	-0.559513	-109.375000	85.937500	-123.046875
4209	0.642641	-0.985595	-0.423208	50.781250	-9.765625	33.203125
4210	0.391835	-1.203857	0.239825	109.375000	-146.484375	109.375000
4211	0.697601	-0.816064	0.437645	224.609375	-76.171875	52.734375
4212	1.162310	-0.270888	0.400087	-13.671875	54.687500	-41.015625
4213	1.391136	-0.168783	-0.228698	-224.609375	64.453125	-66.406250
4214	1.040932	-0.513770	-0.512219	-126.953125	93.750000	-119.140625
4215	0.643309	-0.989512	-0.401081	37.109375	-54.687500	17.578125
4216	0.460985	-1.218707	0.209351	121.093750	-166.015625	91.796875
4217	0.801591	-0.743724	0.419361	228.515625	-82.031250	21.484375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4218	1.255955	-0.221235	0.357866	1.953125	82.031250	-72.265625
4219	1.466073	-0.101491	-0.185280	-216.796875	82.031250	-95.703125
4220	1.210894	-0.367144	-0.467418	-169.921875	107.421875	-54.687500
4221	0.795286	-0.664037	-0.405451	-83.984375	46.875000	23.437500
4222	0.508422	-0.842172	-0.212021	-82.031250	-3.906250	44.921875
4223	0.236303	-0.824053	-0.077212	-93.750000	-58.593750	99.609375
4224	0.116782	-0.738182	-0.108827	-146.484375	-134.765625	97.656250
4225	0.076319	-0.736659	-0.415296	-203.125000	-91.796875	35.156250
4226	0.183291	-0.735745	-0.824178	-218.750000	-29.296875	-117.187500
4227	0.503725	-0.828947	-1.163257	42.968750	95.703125	-109.375000
4228	0.502235	-0.572368	-1.154204	50.781250	-58.593750	-37.109375
4229	0.370091	-0.387171	-1.030022	11.718750	64.453125	-1.953125
4230	0.297055	-0.319803	-0.980513	-46.875000	19.531250	52.734375
4231	0.386348	-0.247064	-0.953105	-1.953125	0.000000	0.000000
4232	0.388059	-0.248238	-0.953113	0.000000	-1.953125	0.000000
4233	0.389085	-0.248943	-0.953118	0.000000	-1.953125	-1.953125
4234	0.389701	-0.249366	-0.953121	0.000000	0.000000	-3.906250
4235	0.390071	-0.249619	-0.953122	0.000000	0.000000	-1.953125
4236	0.390292	-0.249772	-0.953123	1.953125	0.000000	-1.953125
4237	0.402925	-0.312363	-0.984374	17.578125	-7.812500	1.953125
4238	0.435505	-0.481168	-1.121874	105.468750	-23.437500	-33.203125
4239	0.423803	-0.701201	-1.179375	156.250000	-33.203125	-13.671875
4240	0.335532	-0.926970	-0.951375	238.281250	-44.921875	-50.781250
4241	0.463819	-0.831182	-0.602075	248.046875	13.671875	-164.062500
4242	0.722041	-0.186209	-0.417495	76.171875	193.359375	-183.593750
4243	0.989475	0.019524	-0.856747	-228.515625	83.984375	-183.593750
4244	0.812435	-0.407035	-0.939048	-109.375000	78.125000	31.250000
4245	0.462461	-0.850471	-0.619679	-27.343750	-33.203125	50.781250
4246	0.189977	-1.210283	-0.003057	58.593750	-156.250000	95.703125
4247	0.563986	-1.013670	0.223166	201.171875	-173.828125	41.015625
4248	1.057142	-0.414452	0.308899	25.390625	35.156250	-35.156250
4249	1.340535	-0.229921	-0.245910	-156.250000	130.859375	-117.187500
4250	1.148071	-0.606703	-0.578796	-150.390625	83.984375	-68.359375
4251	0.657593	-0.932772	-0.547278	29.296875	3.906250	-19.531250
4252	0.294556	-1.159663	0.034133	42.968750	-115.234375	21.484375
4253	0.607983	-1.039548	0.301730	210.937500	-144.531250	62.500000
4254	1.014790	-0.504979	0.437288	93.750000	-9.765625	9.765625
4255	1.315124	-0.202987	-0.037627	-125.000000	126.953125	-136.718750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4256	1.201574	-0.465542	-0.522576	-218.750000	87.890625	-60.546875
4257	0.745945	-0.848075	-0.619796	-58.593750	25.390625	27.343750
4258	0.366317	-1.152595	-0.246877	54.687500	-72.265625	27.343750
4259	0.476040	-1.166557	0.208124	150.390625	-183.593750	48.828125
4260	0.873124	-0.712434	0.387374	166.015625	-64.453125	-11.718750
4261	1.261374	-0.327461	0.132424	-74.218750	103.515625	-62.500000
4262	1.313075	-0.271476	-0.433045	-220.703125	115.234375	-66.406250
4263	0.894095	-0.650386	-0.647327	-74.218750	76.171875	-23.437500
4264	0.523957	-1.027731	-0.357146	27.343750	-44.921875	29.296875
4265	0.389374	-1.235389	0.123212	115.234375	-171.875000	85.937500
4266	0.839874	-0.834983	0.298927	222.656250	-132.812500	5.859375
4267	1.285175	-0.275990	0.235606	-41.015625	93.750000	-89.843750
4268	1.346105	-0.178094	-0.302386	-218.750000	130.859375	-74.218750
4269	1.082663	-0.369356	-0.512682	-187.500000	95.703125	15.625000
4270	0.680848	-0.671614	-0.457609	-72.265625	50.781250	37.109375
4271	0.452259	-0.852968	-0.324565	-50.781250	-17.578125	1.953125
4272	0.327605	-0.893031	-0.232239	-50.781250	-52.734375	17.578125
4273	0.252813	-0.804569	-0.245594	-97.656250	-111.328125	35.156250
4274	0.301688	-0.757741	-0.372356	-144.531250	-167.968750	42.968750
4275	0.331013	-0.823395	-0.573414	-166.015625	-85.937500	-35.156250
4276	0.342358	-0.725287	-0.837798	-199.218750	-87.890625	78.125000
4277	0.455415	-0.722672	-0.996429	33.203125	91.796875	-25.390625
4278	0.466999	-0.502353	-1.016607	44.921875	-68.359375	-87.890625
4279	0.380199	-0.376412	-0.959964	-11.718750	44.921875	15.625000
4280	0.309370	-0.313347	-0.969729	-29.296875	27.343750	21.484375
4281	0.348731	-0.258573	-0.962279	3.906250	0.000000	-9.765625
4282	0.346739	-0.242644	-0.958618	-3.906250	0.000000	5.859375
4283	0.345543	-0.258086	-0.962671	-1.953125	0.000000	5.859375
4284	0.344826	-0.261102	-0.965102	-1.953125	0.000000	3.906250
4285	0.350646	-0.256661	-0.960311	0.000000	0.000000	0.000000
4286	0.347887	-0.260247	-0.957437	-1.953125	0.000000	0.000000
4287	0.346232	-0.262398	-0.961962	-1.953125	0.000000	0.000000
4288	0.357739	-0.282439	-0.977177	1.953125	-3.906250	-3.906250
4289	0.470894	-0.538213	-1.130056	74.218750	-23.437500	-64.453125
4290	0.532536	-0.710428	-1.234284	189.453125	25.390625	15.625000
4291	0.369522	-0.926257	-0.946820	232.421875	-25.390625	0.000000
4292	0.334213	-0.837004	-0.549342	248.046875	-5.859375	-144.531250
4293	0.600528	-0.302202	-0.292105	83.984375	111.328125	-191.406250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4294	0.929067	-0.056321	-0.681513	-175.781250	119.140625	-171.875000
4295	0.794940	-0.340043	-0.821408	-154.296875	74.218750	-31.250000
4296	0.564464	-0.691526	-0.611595	9.765625	-11.718750	48.828125
4297	0.357428	-1.008665	-0.041957	39.062500	-89.843750	72.265625
4298	0.483207	-0.992699	0.299826	191.406250	-164.062500	66.406250
4299	0.883674	-0.520620	0.536146	128.906250	-54.687500	-19.531250
4300	1.205205	-0.162372	0.177937	-82.031250	105.468750	-138.671875
4301	1.279373	-0.309923	-0.430738	-234.375000	121.093750	-27.343750
4302	0.886374	-0.735954	-0.620943	-89.843750	91.796875	-13.671875
4303	0.463074	-1.122822	-0.353816	11.718750	-15.625000	29.296875
4304	0.334095	-1.254943	0.125211	107.421875	-187.500000	91.796875
4305	0.787957	-0.859216	0.381376	195.312500	-121.093750	21.484375
4306	1.241524	-0.421780	0.328826	-3.906250	93.750000	-35.156250
4307	1.351164	-0.340568	-0.277704	-181.640625	130.859375	-46.875000
4308	0.991949	-0.598091	-0.504123	-80.078125	91.796875	-95.703125
4309	0.557669	-0.921354	-0.371224	13.671875	-17.578125	25.390625
4310	0.284602	-1.165313	0.196016	39.062500	-148.437500	103.515625
4311	0.489511	-1.005438	0.417609	179.687500	-125.000000	41.015625
4312	0.993707	-0.672013	0.494316	44.921875	-27.343750	1.953125
4313	1.302474	-0.365708	-0.059661	-119.140625	160.156250	-72.265625
4314	1.112734	-0.650675	-0.417046	-156.250000	134.765625	-99.609375
4315	0.623891	-1.009155	-0.456478	7.812500	5.859375	-23.437500
4316	0.230584	-1.192993	-0.048887	50.781250	-125.000000	46.875000
4317	0.463351	-1.159546	0.283168	169.921875	-158.203125	41.015625
4318	0.940510	-0.645727	0.438651	144.531250	-72.265625	7.812500
4319	1.289306	-0.249936	0.113190	-95.703125	125.000000	-85.937500
4320	1.211084	-0.331212	-0.350836	-191.406250	166.015625	-31.250000
4321	0.889150	-0.629977	-0.460501	-109.375000	103.515625	-19.531250
4322	0.520990	-0.890486	-0.282551	-29.296875	27.343750	-21.484375
4323	0.237594	-0.990542	-0.138281	-5.859375	-62.500000	29.296875
4324	0.248806	-0.881825	0.010782	-9.765625	-140.625000	97.656250
4325	0.268034	-0.666595	0.025219	-91.796875	-93.750000	99.609375
4326	0.310820	-0.587457	-0.216119	-232.421875	-101.562500	37.109375
4327	0.348992	-0.552474	-0.635921	-250.000000	-11.718750	-83.984375
4328	0.271895	-0.443985	-1.181553	-250.000000	-111.328125	9.765625
4329	0.256887	-0.553891	-1.233932	70.312500	37.109375	-85.937500
4330	0.216632	-0.357334	-1.134109	11.718750	46.875000	-44.921875
4331	0.211229	-0.295651	-1.055465	17.578125	35.156250	-50.781250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4332	0.245488	-0.246140	-1.027029	25.390625	-1.953125	5.859375
4333	0.322293	-0.241434	-0.991218	9.765625	-27.343750	-21.484375
4334	0.387126	-0.226111	-0.982231	1.953125	0.000000	-19.531250
4335	0.401025	-0.229416	-0.976838	-1.953125	5.859375	-17.578125
4336	0.378115	-0.218900	-0.961103	-5.859375	7.812500	-17.578125
4337	0.408119	-0.225090	-0.951662	5.859375	19.531250	-42.968750
4338	0.438621	-0.203804	-0.927247	-11.718750	21.484375	-31.250000
4339	0.328093	-0.305344	-0.953136	0.000000	-1.953125	-3.906250
4340	0.328106	-0.308207	-0.953132	-1.953125	-1.953125	-1.953125
4341	0.328113	-0.309924	-0.953129	0.000000	-1.953125	-3.906250
4342	0.328118	-0.310954	-0.953127	0.000000	-1.953125	-3.906250
4343	0.328121	-0.317823	-0.959376	0.000000	-1.953125	-5.859375
4344	0.340622	-0.321944	-0.969376	9.765625	-3.906250	-9.765625
4345	0.385623	-0.393166	-1.025376	27.343750	-17.578125	-11.718750
4346	0.450124	-0.498400	-1.108975	97.656250	-9.765625	-37.109375
4347	0.413824	-0.680290	-1.096635	113.281250	-9.765625	-7.812500
4348	0.254545	-0.989424	-0.951731	197.265625	-60.546875	-74.218750
4349	0.333977	-0.831154	-0.614789	248.046875	-19.531250	-109.375000
4350	0.750386	-0.361193	-0.381373	82.031250	150.390625	-183.593750
4351	1.043982	-0.166716	-0.835074	-177.734375	179.687500	-113.281250
4352	0.788889	-0.487529	-0.907294	-113.281250	125.000000	-85.937500
4353	0.467083	-0.886268	-0.644377	-5.859375	-13.671875	41.015625
4354	0.217750	-1.069261	-0.092876	5.859375	-87.890625	29.296875
4355	0.299400	-1.041556	0.313024	121.093750	-173.828125	27.343750
4356	0.660890	-0.762434	0.450315	148.437500	-87.890625	5.859375
4357	1.109034	-0.332460	0.426439	-9.765625	68.359375	-78.125000
4358	1.284170	-0.180726	-0.194137	-226.562500	111.328125	-64.453125
4359	1.083002	-0.545936	-0.553982	-179.687500	68.359375	-97.656250
4360	0.699801	-0.927561	-0.544889	35.156250	17.578125	33.203125
4361	0.319881	-1.150287	-0.008184	85.937500	-99.609375	37.109375
4362	0.541928	-0.946422	0.301340	207.031250	-177.734375	62.500000
4363	1.062657	-0.380353	0.462054	85.937500	9.765625	13.671875
4364	1.300094	-0.059462	0.008482	-150.390625	115.234375	-85.937500
4365	1.192557	-0.435677	-0.501161	-210.937500	103.515625	-41.015625
4366	0.784284	-0.736406	-0.563196	-60.546875	54.687500	25.390625
4367	0.358070	-1.098094	-0.219168	-3.906250	-60.546875	35.156250
4368	0.227342	-1.308856	0.205999	105.468750	-162.109375	80.078125
4369	0.548905	-1.097814	0.279850	205.078125	-162.109375	-3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4370	1.060593	-0.571188	0.336660	70.312500	21.484375	-50.781250
4371	1.261356	-0.292713	-0.035504	-154.296875	105.468750	-93.750000
4372	1.131814	-0.588128	-0.415052	-166.015625	101.562500	-121.093750
4373	0.766588	-0.809127	-0.449031	-37.109375	56.640625	23.437500
4374	0.328703	-1.097976	-0.044419	-23.437500	-56.640625	25.390625
4375	0.284722	-1.265036	0.348349	128.906250	-171.875000	119.140625
4376	0.789583	-0.959021	0.434009	214.843750	-119.140625	13.671875
4377	1.236250	-0.437913	0.429156	23.437500	78.125000	-97.656250
4378	1.310500	-0.281498	-0.086257	-203.125000	115.234375	-82.031250
4379	1.048800	-0.493899	-0.383004	-166.015625	93.750000	-72.265625
4380	0.673030	-0.715089	-0.329802	-68.359375	44.921875	-7.812500
4381	0.410068	-0.941554	-0.116631	-62.500000	-58.593750	-15.625000
4382	0.383541	-1.058682	0.073771	9.765625	-62.500000	50.781250
4383	0.361374	-0.853959	0.106763	-25.390625	-101.562500	97.656250
4384	0.366825	-0.699876	-0.035942	-125.000000	-126.953125	60.546875
4385	0.401345	-0.613675	-0.340315	-220.703125	-125.000000	13.671875
4386	0.453307	-0.593205	-0.766689	-250.000000	-132.812500	-101.562500
4387	0.615734	-0.962173	-1.147514	-48.828125	-3.906250	248.046875
4388	0.419440	-0.721054	-1.138508	19.531250	19.531250	-134.765625
4389	0.320414	-0.520132	-1.058105	13.671875	29.296875	19.531250
4390	0.235999	-0.424579	-1.016113	3.906250	9.765625	19.531250
4391	0.229099	-0.360998	-0.990918	-5.859375	-25.390625	-25.390625
4392	0.287459	-0.329099	-0.982051	5.859375	3.906250	-15.625000
4393	0.284976	-0.322459	-0.976730	-1.953125	-5.859375	-1.953125
4394	0.258485	-0.312225	-0.973538	-1.953125	-5.859375	-5.859375
4395	0.261341	-0.312335	-0.971623	0.000000	-1.953125	-11.718750
4396	0.269305	-0.293651	-0.970474	0.000000	-1.953125	-1.953125
4397	0.261583	-0.301191	-0.969784	-1.953125	-1.953125	3.906250
4398	0.271915	-0.317744	-0.967403	0.000000	-1.953125	-9.765625
4399	0.269399	-0.296896	-0.961692	-3.906250	-1.953125	3.906250
4400	0.267889	-0.328138	-0.964515	-1.953125	-1.953125	-1.953125
4401	0.266984	-0.309383	-0.966209	0.000000	-1.953125	-13.671875
4402	0.272690	-0.298130	-0.967225	-1.953125	-1.953125	-3.906250
4403	0.276114	-0.303878	-0.967835	-1.953125	-1.953125	3.906250
4404	0.290668	-0.332327	-0.986951	11.718750	3.906250	-9.765625
4405	0.336901	-0.449396	-1.060921	64.453125	15.625000	-15.625000
4406	0.452141	-0.569638	-1.130302	138.671875	17.578125	-25.390625
4407	0.440034	-0.704283	-0.996931	128.906250	39.062500	-33.203125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4408	0.332771	-0.860070	-0.754409	158.203125	1.953125	-17.578125
4409	0.343412	-0.872292	-0.377645	232.421875	-1.953125	-105.468750
4410	0.699797	-0.398375	-0.126587	103.515625	82.031250	-78.125000
4411	1.013628	-0.126525	-0.550952	-156.250000	148.437500	-91.796875
4412	0.801927	-0.413415	-0.743071	-134.765625	119.140625	-46.875000
4413	0.456156	-0.748049	-0.595843	23.437500	29.296875	31.250000
4414	0.198694	-1.023829	-0.045006	35.156250	-72.265625	19.531250
4415	0.331716	-1.083048	0.304247	136.718750	-160.156250	50.781250
4416	0.705280	-0.712329	0.463798	185.546875	-64.453125	19.531250
4417	1.035668	-0.302397	0.415779	-39.062500	66.406250	-44.921875
4418	1.221401	-0.243938	-0.119283	-189.453125	105.468750	-56.640625
4419	0.951590	-0.602613	-0.409070	-130.859375	93.750000	-76.171875
4420	0.539704	-0.980318	-0.307942	-21.484375	-72.265625	0.000000
4421	0.317573	-1.169441	0.183985	42.968750	-146.484375	54.687500
4422	0.565544	-1.007914	0.366641	205.078125	-121.093750	29.296875
4423	0.951826	-0.517249	0.457485	105.468750	-13.671875	5.859375
4424	1.189846	-0.216599	0.118241	-103.515625	126.953125	-103.515625
4425	1.176407	-0.454960	-0.316556	-185.546875	140.625000	-48.828125
4426	0.712094	-0.829226	-0.421183	-50.781250	50.781250	5.859375
4427	0.271007	-1.135035	-0.077710	5.859375	-83.984375	5.859375
4428	0.312604	-1.281021	0.347124	105.468750	-169.921875	66.406250
4429	0.625062	-0.912363	0.439524	199.218750	-87.890625	21.484375
4430	1.031287	-0.516168	0.407465	23.437500	42.968750	-35.156250
4431	1.225022	-0.334701	-0.024271	-160.156250	111.328125	-91.796875
4432	1.091263	-0.582070	-0.320813	-175.781250	93.750000	-95.703125
4433	0.642258	-0.999242	-0.367488	-44.921875	19.531250	1.953125
4434	0.235355	-1.255795	-0.020493	25.390625	-125.000000	3.906250
4435	0.497463	-1.303477	0.237704	154.296875	-214.843750	76.171875
4436	0.948478	-0.807086	0.317623	197.265625	-68.359375	29.296875
4437	1.225337	-0.465502	0.178074	3.906250	119.140625	-97.656250
4438	1.291452	-0.404301	-0.199406	-167.968750	134.765625	-80.078125
4439	1.056121	-0.592581	-0.325894	-123.046875	113.281250	-64.453125
4440	0.708673	-0.780548	-0.164286	-64.453125	54.687500	-27.343750
4441	0.456454	-0.955829	0.101428	-37.109375	-13.671875	-42.968750
4442	0.380122	-0.960997	0.210857	5.859375	-25.390625	19.531250
4443	0.359323	-0.764098	0.214014	-19.531250	-74.218750	56.640625
4444	0.284344	-0.595959	0.109659	-111.328125	-126.953125	99.609375
4445	0.264356	-0.570075	-0.196705	-248.046875	-191.406250	64.453125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4446	0.352364	-0.635795	-0.630523	-242.187500	-130.859375	-23.437500
4447	0.717668	-0.806477	-1.059564	-35.156250	105.468750	218.750000
4448	0.455601	-0.840136	-1.048238	9.765625	19.531250	-5.859375
4449	0.367111	-0.604082	-0.991443	3.906250	-11.718750	-46.875000
4450	0.320266	-0.524949	-0.976116	-1.953125	3.906250	-9.765625
4451	0.310910	-0.471219	-0.948169	5.859375	7.812500	9.765625
4452	0.299046	-0.451482	-0.937652	-1.953125	3.906250	0.000000
4453	0.304428	-0.402139	-0.925091	0.000000	5.859375	3.906250
4454	0.295157	-0.435033	-0.923805	-5.859375	3.906250	15.625000
4455	0.289594	-0.423520	-0.916783	-1.953125	1.953125	-3.906250
4456	0.286256	-0.435362	-0.912570	-3.906250	0.000000	1.953125
4457	0.284254	-0.423717	-0.916292	0.000000	-1.953125	-3.906250
4458	0.278714	-0.407141	-0.928219	0.000000	-3.906250	-13.671875
4459	0.285979	-0.363034	-0.925681	-11.718750	0.000000	0.000000
4460	0.271587	-0.399071	-0.955409	-5.859375	1.953125	3.906250
4461	0.275452	-0.389442	-0.948245	1.953125	-1.953125	-3.906250
4462	0.284021	-0.377415	-0.943947	1.953125	-1.953125	-5.859375
4463	0.282913	-0.376449	-0.941368	0.000000	0.000000	0.000000
4464	0.282248	-0.407120	-0.958571	3.906250	-1.953125	-3.906250
4465	0.269349	-0.525522	-1.025143	39.062500	-29.296875	-27.343750
4466	0.317859	-0.696563	-1.058836	117.187500	-44.921875	-54.687500
4467	0.309466	-0.936688	-0.972801	173.828125	-25.390625	-41.015625
4468	0.185679	-1.074513	-0.752431	248.046875	-29.296875	-95.703125
4469	0.273908	-0.775958	-0.401458	222.656250	9.765625	-177.734375
4470	0.776845	-0.284325	-0.440875	-25.390625	136.718750	-195.312500
4471	0.847357	-0.220595	-0.777025	-226.562500	103.515625	-130.859375
4472	0.677164	-0.557357	-0.753715	-66.406250	42.968750	31.250000
4473	0.412548	-0.921914	-0.383479	5.859375	-25.390625	72.265625
4474	0.391279	-1.178148	0.107413	68.359375	-158.203125	72.265625
4475	0.653517	-0.894389	0.276948	220.703125	-111.328125	21.484375
4476	1.017110	-0.374133	0.378669	85.937500	-1.953125	-41.015625
4477	1.229016	0.000520	0.052201	-123.046875	101.562500	-123.046875
4478	1.237410	-0.230938	-0.349929	-234.375000	58.593750	-74.218750
4479	0.923696	-0.701063	-0.428708	-78.125000	62.500000	76.171875
4480	0.554218	-0.989388	-0.107225	48.828125	-52.734375	25.390625
4481	0.513781	-1.049883	0.304415	103.515625	-132.812500	56.640625
4482	0.745768	-0.698680	0.451399	169.921875	-89.843750	19.531250
4483	1.103711	-0.244208	0.477089	-21.484375	9.765625	-37.109375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4484	1.255977	-0.052775	-0.019996	-177.734375	89.843750	-60.546875
4485	1.166086	-0.369165	-0.380748	-187.500000	39.062500	-41.015625
4486	0.830902	-0.765249	-0.447199	-7.812500	23.437500	52.734375
4487	0.511041	-1.059149	-0.043319	60.546875	-68.359375	27.343750
4488	0.637875	-0.985490	0.305258	177.734375	-105.468750	19.531250
4489	0.920225	-0.460044	0.470655	126.953125	-13.671875	19.531250
4490	1.139635	-0.119776	0.269893	-72.265625	87.890625	-101.562500
4491	1.258781	-0.103116	-0.181814	-201.171875	50.781250	-52.734375
4492	1.017769	-0.361869	-0.390339	-103.515625	74.218750	-50.781250
4493	0.691911	-0.835872	-0.252953	19.531250	-31.250000	33.203125
4494	0.527647	-1.070273	0.135728	105.468750	-152.343750	64.453125
4495	0.785338	-0.829664	0.256437	230.468750	-109.375000	19.531250
4496	1.083703	-0.279048	0.347612	117.187500	-3.906250	-9.765625
4497	1.218972	0.001321	0.127317	-117.187500	97.656250	-113.281250
4498	1.175133	-0.030457	-0.204860	-197.265625	93.750000	-11.718750
4499	0.905080	-0.249524	-0.335416	-169.921875	74.218750	76.171875
4500	0.524298	-0.505965	-0.326249	-93.750000	23.437500	115.234375
4501	0.214579	-0.547329	-0.295750	-121.093750	-48.828125	52.734375
4502	0.016247	-0.634647	-0.396200	-205.078125	-87.890625	48.828125
4503	0.040998	-0.768288	-0.581470	-232.421875	-105.468750	-58.593750
4504	0.249599	-0.779723	-0.861382	-175.781250	-48.828125	-64.453125
4505	0.499759	-0.861584	-1.198079	-60.546875	85.937500	195.312500
4506	0.412356	-0.673200	-1.156347	48.828125	31.250000	-142.578125
4507	0.322413	-0.453920	-1.068808	19.531250	7.812500	-5.859375
4508	0.224698	-0.347352	-1.028785	1.953125	17.578125	0.000000
4509	0.228569	-0.327161	-1.023521	-3.906250	-21.484375	-41.015625
4510	0.374641	-0.252547	-0.976613	9.765625	25.390625	-25.390625
4511	0.381035	-0.232778	-0.973468	5.859375	3.906250	-37.109375
4512	0.341121	-0.214667	-0.965331	1.953125	-15.625000	11.718750
4513	0.335923	-0.241300	-0.979198	0.000000	-13.671875	13.671875
4514	0.357804	-0.226030	-0.968769	0.000000	3.906250	-1.953125
4515	0.352182	-0.223118	-0.968761	-3.906250	-3.906250	5.859375
4516	0.338144	-0.250431	-0.968750	0.000000	-1.953125	-3.906250
4517	0.340386	-0.250259	-0.968750	0.000000	-1.953125	-1.953125
4518	0.341732	-0.250155	-0.968750	0.000000	-1.953125	-1.953125
4519	0.342539	-0.256343	-0.968750	-1.953125	0.000000	-1.953125
4520	0.336773	-0.253806	-0.968750	0.000000	0.000000	0.000000
4521	0.339564	-0.258534	-0.968750	0.000000	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4522	0.347488	-0.280120	-0.987500	5.859375	-3.906250	-1.953125
4523	0.408493	-0.405572	-1.092500	68.359375	-21.484375	-13.671875
4524	0.451346	-0.549593	-1.149250	154.296875	11.718750	-15.625000
4525	0.383308	-0.842256	-1.052050	167.968750	-9.765625	-35.156250
4526	0.204985	-0.930354	-0.824980	246.093750	-74.218750	-44.921875
4527	0.222991	-0.683212	-0.451238	248.046875	-54.687500	-134.765625
4528	0.708794	-0.253677	-0.270743	41.015625	72.265625	-123.046875
4529	1.050277	-0.077206	-0.712446	-205.078125	156.250000	-250.000000
4530	0.836416	-0.521324	-0.896217	-169.921875	103.515625	19.531250
4531	0.426850	-0.856544	-0.600230	25.390625	3.906250	13.671875
4532	0.318610	-1.151427	-0.035138	1.953125	-142.578125	70.312500
4533	0.491166	-1.053356	0.235167	181.640625	-160.156250	60.546875
4534	0.869700	-0.732014	0.359850	148.437500	-56.640625	-15.625000
4535	1.159320	-0.332958	0.265910	-44.921875	93.750000	-113.281250
4536	1.295592	-0.168525	-0.246704	-214.843750	91.796875	-78.125000
4537	1.058605	-0.532365	-0.548022	-134.765625	103.515625	-48.828125
4538	0.597663	-0.900669	-0.391313	3.906250	3.906250	23.437500
4539	0.308598	-1.152901	0.090212	50.781250	-97.656250	31.250000
4540	0.497659	-0.954241	0.335377	199.218750	-146.484375	42.968750
4541	0.898595	-0.441294	0.501226	91.796875	-33.203125	-5.859375
4542	1.189157	-0.089777	0.181986	-144.531250	87.890625	-107.421875
4543	1.282244	-0.197616	-0.384559	-236.328125	93.750000	-46.875000
4544	0.913097	-0.587320	-0.561985	-70.312500	74.218750	62.500000
4545	0.479108	-0.983642	-0.343441	41.015625	-37.109375	37.109375
4546	0.306215	-1.183935	0.137685	97.656250	-166.015625	72.265625
4547	0.602479	-0.885361	0.301361	224.609375	-132.812500	37.109375
4548	1.011487	-0.456217	0.393317	72.265625	7.812500	-3.906250
4549	1.163142	-0.179980	0.029740	-148.437500	91.796875	-101.562500
4550	1.147885	-0.432988	-0.363406	-199.218750	80.078125	-70.312500
4551	0.769981	-0.791043	-0.411794	-52.734375	56.640625	52.734375
4552	0.405739	-1.093376	-0.097076	7.812500	-85.937500	9.765625
4553	0.405943	-1.212275	0.241754	99.609375	-220.703125	76.171875
4554	0.831066	-0.964865	0.288803	207.031250	-125.000000	15.625000
4555	1.136140	-0.566419	0.285782	62.500000	50.781250	-23.437500
4556	1.206684	-0.346101	-0.047281	-117.187500	128.906250	-103.515625
4557	1.105260	-0.413911	-0.284619	-179.687500	105.468750	-48.828125
4558	0.825656	-0.604597	-0.258271	-128.906250	95.703125	5.859375
4559	0.582894	-0.794008	-0.142463	-87.890625	41.015625	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4560	0.343486	-0.826405	-0.091728	-87.890625	-17.578125	25.390625
4561	0.137342	-0.695843	-0.092537	-126.953125	-93.750000	72.265625
4562	0.057405	-0.742506	-0.330522	-214.843750	-148.437500	64.453125
4563	0.109443	-0.789253	-0.667063	-212.890625	-126.953125	-5.859375
4564	0.315666	-0.698552	-1.012738	-171.875000	-21.484375	-97.656250
4565	0.414399	-0.775381	-1.051393	-7.812500	99.609375	56.640625
4566	0.411140	-0.583979	-1.062086	35.156250	-48.828125	-121.093750
4567	0.321684	-0.456637	-0.987251	-23.437500	5.859375	-7.812500
4568	0.243010	-0.411482	-0.973601	-19.531250	11.718750	7.812500
4569	0.328012	-0.290791	-0.953806	0.000000	0.000000	-3.906250
4570	0.328057	-0.293225	-0.953533	0.000000	-1.953125	-1.953125
4571	0.328084	-0.294685	-0.953370	0.000000	-1.953125	-3.906250
4572	0.328101	-0.295561	-0.953272	0.000000	-1.953125	-5.859375
4573	0.328110	-0.296087	-0.959463	0.000000	-1.953125	-5.859375
4574	0.334366	-0.308902	-0.963178	7.812500	-3.906250	-7.812500
4575	0.344370	-0.322841	-0.971657	25.390625	-1.953125	5.859375
4576	0.381622	-0.574955	-1.082994	80.078125	-23.437500	0.000000
4577	0.397723	-0.751223	-1.149796	164.062500	-35.156250	-27.343750
4578	0.301134	-0.869484	-0.952378	201.171875	-48.828125	-48.828125
4579	0.205680	-0.821690	-0.571427	248.046875	-27.343750	-103.515625
4580	0.498408	-0.599264	-0.299106	160.156250	56.640625	-156.250000
4581	0.867795	-0.315808	-0.535714	-60.546875	193.359375	-244.140625
4582	0.883177	-0.508235	-0.790178	-201.171875	74.218750	-68.359375
4583	0.567406	-0.823691	-0.599107	-17.578125	29.296875	62.500000
4584	0.309194	-1.081715	-0.103214	0.000000	-97.656250	25.390625
4585	0.366766	-1.086529	0.256822	109.375000	-160.156250	46.875000
4586	0.701310	-0.770667	0.341593	150.390625	-111.328125	27.343750
4587	1.083286	-0.393650	0.317456	17.578125	50.781250	-37.109375
4588	1.237472	-0.242440	-0.159527	-195.312500	109.375000	-111.328125
4589	1.179983	-0.589214	-0.520716	-197.265625	91.796875	-62.500000
4590	0.745490	-0.941028	-0.518680	-13.671875	76.171875	70.312500
4591	0.328544	-1.139617	-0.117458	31.250000	-62.500000	35.156250
4592	0.272126	-1.190020	0.273275	125.000000	-158.203125	85.937500
4593	0.638276	-0.857762	0.345215	177.734375	-156.250000	35.156250
4594	1.070465	-0.508407	0.350879	9.765625	13.671875	-54.687500
4595	1.223529	-0.242544	-0.108223	-177.734375	117.187500	-101.562500
4596	1.140368	-0.570527	-0.439934	-181.640625	101.562500	-78.125000
4597	0.796721	-0.904816	-0.488960	-35.156250	60.546875	-39.062500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4598	0.465532	-1.205390	-0.118376	17.578125	-66.406250	9.765625
4599	0.466819	-1.229484	0.278974	142.578125	-156.250000	74.218750
4600	0.717592	-0.775190	0.404885	230.468750	-54.687500	-44.921875
4601	1.111805	-0.202614	0.286681	-11.718750	41.015625	-76.171875
4602	1.260833	-0.096568	-0.252992	-242.187500	58.593750	-48.828125
4603	1.019000	-0.432941	-0.489295	-164.062500	93.750000	1.953125
4604	0.592650	-0.853515	-0.312327	-19.531250	-31.250000	23.437500
4605	0.411840	-1.143359	0.075104	54.687500	-152.343750	44.921875
4606	0.609604	-1.136015	0.251312	191.406250	-162.109375	58.593750
4607	0.934512	-0.725359	0.294537	183.593750	-56.640625	-15.625000
4608	1.179457	-0.347715	0.170472	-29.296875	83.984375	-95.703125
4609	1.201424	-0.296129	-0.153967	-177.734375	113.281250	-85.937500
4610	1.052105	-0.521428	-0.286130	-152.343750	103.515625	-44.921875
4611	0.775013	-0.694107	-0.177928	-85.937500	82.031250	5.859375
4612	0.508758	-0.841464	-0.044257	-68.359375	31.250000	9.765625
4613	0.311505	-0.848628	0.023446	-60.546875	-42.968750	42.968750
4614	0.205653	-0.696677	0.020318	-97.656250	-125.000000	60.546875
4615	0.160892	-0.624256	-0.175309	-201.171875	-150.390625	80.078125
4616	0.215285	-0.674554	-0.542686	-234.375000	-128.906250	-5.859375
4617	0.254171	-0.754732	-0.906861	-185.546875	-50.781250	19.531250
4618	0.458753	-0.721589	-1.000367	-17.578125	134.765625	-15.625000
4619	0.431502	-0.651704	-0.968970	27.343750	-11.718750	-5.859375
4620	0.371401	-0.434772	-0.975132	13.671875	-9.765625	-58.593750
4621	0.304091	-0.373363	-0.960079	-19.531250	11.718750	17.578125
4622	0.257454	-0.361518	-0.963548	-15.625000	-9.765625	-15.625000
4623	0.348223	-0.354411	-0.965629	13.671875	9.765625	-37.109375
4624	0.358934	-0.312646	-0.960627	0.000000	-5.859375	-27.343750
4625	0.346610	-0.287588	-0.963876	0.000000	3.906250	-3.906250
4626	0.326716	-0.272553	-0.959576	0.000000	0.000000	7.812500
4627	0.339780	-0.269782	-0.956995	-3.906250	-3.906250	0.000000
4628	0.343892	-0.282468	-0.953308	0.000000	0.000000	0.000000
4629	0.343835	-0.281981	-0.953235	0.000000	0.000000	0.000000
4630	0.343801	-0.287938	-0.953191	0.000000	-1.953125	-1.953125
4631	0.343781	-0.285263	-0.953165	0.000000	-1.953125	-3.906250
4632	0.343768	-0.277408	-0.953149	0.000000	-1.953125	-1.953125
4633	0.343761	-0.278945	-0.953139	0.000000	-1.953125	-1.953125
4634	0.343757	-0.286117	-0.953134	0.000000	-1.953125	-1.953125
4635	0.356254	-0.309170	-0.971880	7.812500	-3.906250	-7.812500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4636	0.445002	-0.504252	-1.126878	111.328125	-3.906250	-64.453125
4637	0.523251	-0.615051	-1.157377	162.109375	21.484375	5.859375
4638	0.426451	-0.831531	-0.963176	160.156250	-11.718750	13.671875
4639	0.249621	-0.911418	-0.627906	248.046875	-42.968750	-132.812500
4640	0.431022	-0.571851	-0.157993	195.312500	13.671875	-179.687500
4641	0.921113	-0.249361	-0.401046	-37.109375	248.046875	-169.921875
4642	1.015168	-0.418366	-0.834378	-250.000000	89.843750	-27.343750
4643	0.615351	-0.757270	-0.694377	-35.156250	68.359375	44.921875
4644	0.344210	-0.966862	-0.260376	15.625000	-54.687500	17.578125
4645	0.331526	-1.061367	0.168774	66.406250	-171.875000	46.875000
4646	0.573916	-0.843070	0.276265	171.875000	-134.765625	39.062500
4647	0.994349	-0.580842	0.359509	76.171875	1.953125	3.906250
4648	1.171610	-0.167255	0.146955	-82.031250	107.421875	-111.328125
4649	1.265466	-0.375353	-0.349327	-205.078125	82.031250	-76.171875
4650	0.859279	-0.712712	-0.409596	-93.750000	74.218750	56.640625
4651	0.496818	-0.958877	-0.152008	-11.718750	-29.296875	15.625000
4652	0.279341	-1.069076	0.171295	64.453125	-123.046875	70.312500
4653	0.561354	-0.953946	0.315277	160.156250	-160.156250	27.343750
4654	0.999313	-0.541117	0.451666	76.171875	-11.718750	-19.531250
4655	1.162088	-0.180920	0.114750	-130.859375	115.234375	-142.578125
4656	1.184753	-0.383552	-0.349900	-187.500000	74.218750	-11.718750
4657	0.904602	-0.673881	-0.428690	-78.125000	91.796875	46.875000
4658	0.492761	-0.948079	-0.263464	17.578125	27.343750	19.531250
4659	0.233157	-1.131347	0.104422	62.500000	-126.953125	80.078125
4660	0.433644	-1.003808	0.312653	160.156250	-169.921875	35.156250
4661	0.853936	-0.602285	0.462592	87.890625	-41.015625	-17.578125
4662	1.162362	-0.173871	0.165055	-123.046875	58.593750	-95.703125
4663	1.166167	-0.316823	-0.319717	-212.890625	78.125000	-17.578125
4664	0.805950	-0.633844	-0.441830	-62.500000	64.453125	25.390625
4665	0.464820	-0.930306	-0.221348	19.531250	-35.156250	15.625000
4666	0.341392	-1.120684	0.142191	93.750000	-115.234375	42.968750
4667	0.523585	-0.953660	0.254065	193.359375	-148.437500	35.156250
4668	0.889151	-0.578446	0.339939	109.375000	-62.500000	15.625000
4669	1.152241	-0.315818	0.128963	-85.937500	85.937500	-80.078125
4670	1.178844	-0.314491	-0.210122	-183.593750	121.093750	-76.171875
4671	0.957307	-0.532444	-0.313573	-125.000000	117.187500	-9.765625
4672	0.655634	-0.750717	-0.181894	-60.546875	62.500000	5.859375
4673	0.505880	-0.881680	-0.065386	-27.343750	3.906250	7.812500

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4674	0.416028	-0.860258	0.029518	-15.625000	-35.156250	42.968750
4675	0.368367	-0.741155	0.067711	-50.781250	-70.312500	39.062500
4676	0.383520	-0.788443	-0.003123	-109.375000	-87.890625	56.640625
4677	0.342612	-0.854316	-0.151874	-109.375000	-50.781250	62.500000
4678	0.205567	-0.843839	-0.328624	-128.906250	-56.640625	80.078125
4679	0.173340	-0.768804	-0.522175	-130.859375	-33.203125	-64.453125
4680	0.247754	-0.648782	-0.757055	-146.484375	-41.015625	-166.015625
4681	0.761153	-0.895519	-0.985483	-68.359375	23.437500	164.062500
4682	0.575442	-0.662312	-0.991290	19.531250	-27.343750	-46.875000
4683	0.414015	-0.509887	-0.951024	-1.953125	3.906250	11.718750
4684	0.329659	-0.424682	-0.951864	-11.718750	0.000000	-9.765625
4685	0.354045	-0.429809	-0.964869	5.859375	7.812500	-17.578125
4686	0.374927	-0.357886	-0.947671	5.859375	0.000000	-17.578125
4687	0.349956	-0.333481	-0.949853	-5.859375	-3.906250	7.812500
4688	0.328724	-0.337589	-0.951162	-1.953125	1.953125	3.906250
4689	0.347234	-0.327553	-0.951947	1.953125	1.953125	-3.906250
4690	0.345841	-0.315282	-0.946168	-1.953125	-1.953125	0.000000
4691	0.332504	-0.320419	-0.942701	-1.953125	0.000000	0.000000
4692	0.342354	-0.344734	-0.935367	0.000000	-1.953125	-5.859375
4693	0.342913	-0.331841	-0.936220	0.000000	-1.953125	-3.906250
4694	0.349498	-0.330354	-0.936732	-3.906250	0.000000	5.859375
4695	0.340949	-0.341963	-0.937039	-1.953125	0.000000	5.859375
4696	0.335819	-0.348928	-0.937224	0.000000	-1.953125	0.000000
4697	0.345241	-0.359357	-0.943584	3.906250	-3.906250	-11.718750
4698	0.344645	-0.353114	-0.947400	7.812500	-7.812500	-17.578125
4699	0.350537	-0.393118	-0.987190	17.578125	-17.578125	0.000000
4700	0.379072	-0.567121	-1.111064	74.218750	-46.875000	13.671875
4701	0.371193	-0.734023	-1.085389	160.156250	-9.765625	-17.578125
4702	0.291466	-0.952914	-0.863733	214.843750	-15.625000	-42.968750
4703	0.237380	-0.915498	-0.518240	248.046875	-27.343750	-123.046875
4704	0.473678	-0.393049	-0.192194	117.187500	33.203125	-173.828125
4705	0.921707	-0.098329	-0.565316	-158.203125	136.718750	-181.640625
4706	0.846774	-0.390248	-0.832940	-205.078125	113.281250	-25.390625
4707	0.545564	-0.734149	-0.681014	7.812500	50.781250	41.015625
4708	0.314839	-1.059239	-0.246108	27.343750	-35.156250	3.906250
4709	0.270153	-1.129293	0.221085	128.906250	-134.765625	56.640625
4710	0.612092	-0.752576	0.376401	191.406250	-91.796875	46.875000
4711	0.973505	-0.364046	0.450841	11.718750	35.156250	-27.343750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4712	1.215353	-0.149677	-0.048246	-203.125000	44.921875	-80.078125
4713	1.129212	-0.521056	-0.416447	-146.484375	113.281250	-80.078125
4714	0.683777	-0.881384	-0.349868	-29.296875	29.296875	23.437500
4715	0.316516	-1.103830	0.021329	33.203125	-85.937500	9.765625
4716	0.377410	-1.149798	0.275297	123.046875	-167.968750	48.828125
4717	0.695196	-0.789879	0.352678	193.359375	-97.656250	27.343750
4718	1.142118	-0.373927	0.349107	-19.531250	29.296875	-1.953125
4719	1.247771	-0.174356	-0.078036	-193.359375	119.140625	-93.750000
4720	1.098662	-0.523364	-0.465571	-183.593750	111.328125	-68.359375
4721	0.709197	-0.857768	-0.385593	-31.250000	52.734375	44.921875
4722	0.381768	-1.120911	-0.068856	21.484375	-74.218750	3.906250
4723	0.322811	-1.185047	0.208687	113.281250	-166.015625	78.125000
4724	0.624937	-0.892278	0.268962	173.828125	-152.343750	62.500000
4725	1.106212	-0.529117	0.298877	44.921875	15.625000	-21.484375
4726	1.226227	-0.267470	-0.045674	-175.781250	109.375000	-125.000000
4727	1.079486	-0.572982	-0.427404	-191.406250	103.515625	-107.421875
4728	0.747692	-0.856289	-0.400193	-37.109375	52.734375	52.734375
4729	0.411115	-1.038774	-0.102616	7.812500	-50.781250	7.812500
4730	0.359169	-1.204514	0.207181	74.218750	-162.109375	54.687500
4731	0.609251	-1.022708	0.268058	181.640625	-148.437500	31.250000
4732	1.003051	-0.594875	0.323335	97.656250	-48.828125	0.000000
4733	1.183081	-0.294425	0.075251	-101.562500	117.187500	-109.375000
4734	1.103598	-0.320405	-0.292349	-177.734375	148.437500	-42.968750
4735	0.774659	-0.517243	-0.306660	-97.656250	121.093750	7.812500
4736	0.521045	-0.791596	-0.096496	-54.687500	33.203125	5.859375
4737	0.406377	-0.893707	0.067103	-13.671875	-5.859375	13.671875
4738	0.350076	-0.861224	0.127762	3.906250	-27.343750	42.968750
4739	0.278796	-0.722985	0.089157	-44.921875	-68.359375	74.218750
4740	0.211027	-0.602541	-0.046506	-150.390625	-113.281250	52.734375
4741	0.164116	-0.636524	-0.352904	-238.281250	-115.234375	87.890625
4742	0.235970	-0.850665	-0.711742	-234.375000	-64.453125	-82.031250
4743	0.297832	-0.747899	-0.895795	-83.984375	60.546875	-158.203125
4744	0.722449	-1.036239	-1.043727	-64.453125	27.343750	142.578125
4745	0.558469	-0.709244	-1.019986	37.109375	-42.968750	-62.500000
4746	0.410082	-0.531796	-0.968242	-15.625000	13.671875	11.718750
4747	0.308549	-0.450328	-0.968445	-15.625000	-3.906250	7.812500
4748	0.378879	-0.395197	-0.968567	15.625000	11.718750	-27.343750
4749	0.371078	-0.343368	-0.949890	-5.859375	-5.859375	3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4750	0.335147	-0.343521	-0.951184	-5.859375	-1.953125	7.812500
4751	0.326088	-0.324862	-0.945710	1.953125	1.953125	-9.765625
4752	0.339403	-0.313667	-0.942426	-1.953125	-1.953125	-1.953125
4753	0.334892	-0.319450	-0.946706	0.000000	-1.953125	0.000000
4754	0.332185	-0.316670	-0.949273	-1.953125	0.000000	5.859375
4755	0.411206	-0.237639	-0.937822	0.000000	0.000000	17.578125
4756	0.415473	-0.242583	-0.937693	-1.953125	-1.953125	1.953125
4757	0.411784	-0.245550	-0.937616	-1.953125	0.000000	3.906250
4758	0.409570	-0.259830	-0.937570	-1.953125	-3.906250	0.000000
4759	0.408242	-0.262148	-0.937542	0.000000	0.000000	-1.953125
4760	0.401195	-0.257289	-0.943775	0.000000	0.000000	0.000000
4761	0.409467	-0.260623	-0.947515	1.953125	0.000000	1.953125
4762	0.433180	-0.325124	-0.981009	15.625000	-5.859375	-1.953125
4763	0.528658	-0.532574	-1.094855	97.656250	-3.906250	-15.625000
4764	0.573445	-0.713295	-1.113163	162.109375	13.671875	9.765625
4765	0.475317	-0.902977	-0.874148	222.656250	21.484375	-3.906250
4766	0.391440	-0.729286	-0.511989	248.046875	64.453125	-138.671875
4767	0.697364	-0.225072	-0.407193	68.359375	103.515625	-144.531250
4768	0.880918	-0.141293	-0.713066	-185.546875	60.546875	-115.234375
4769	0.747301	-0.503526	-0.802840	-82.031250	72.265625	29.296875
4770	0.467131	-0.933365	-0.406704	21.484375	-29.296875	76.171875
4771	0.399028	-1.153769	0.168478	128.906250	-154.296875	101.562500
4772	0.751917	-0.786012	0.394837	185.546875	-85.937500	3.906250
4773	1.119900	-0.227857	0.230652	-60.546875	44.921875	-74.218750
4774	1.271940	-0.261714	-0.349109	-224.609375	99.609375	-119.140625
4775	0.994414	-0.632028	-0.603215	-105.468750	93.750000	7.812500
4776	0.565398	-1.022967	-0.355679	35.156250	-31.250000	37.109375
4777	0.395489	-1.238780	0.199092	103.515625	-177.734375	70.312500
4778	0.737293	-0.874518	0.338205	230.468750	-87.890625	3.906250
4779	1.098626	-0.287211	0.309173	-5.859375	41.015625	-31.250000
4780	1.340426	-0.084827	-0.251996	-216.796875	58.593750	-105.468750
4781	1.091755	-0.488396	-0.626198	-130.859375	93.750000	-56.640625
4782	0.711303	-0.861788	-0.475719	25.390625	-29.296875	39.062500
4783	0.464282	-1.298323	0.220819	66.406250	-109.375000	115.234375
4784	0.616069	-0.978994	0.413741	236.328125	-101.562500	42.968750
4785	1.057141	-0.412396	0.385745	31.250000	33.203125	-54.687500
4786	1.428035	-0.284938	-0.199803	-185.546875	89.843750	-111.328125
4787	1.069321	-0.664713	-0.526132	-117.187500	95.703125	-44.921875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4788	0.485343	-1.067578	-0.290679	23.437500	-64.453125	-9.765625
4789	0.497456	-1.265547	0.294343	101.562500	-191.406250	87.890625
4790	0.810973	-0.878078	0.439106	197.265625	-74.218750	33.203125
4791	1.280334	-0.295597	0.225963	-13.671875	87.890625	-121.093750
4792	1.305700	-0.196108	-0.295672	-246.093750	103.515625	-66.406250
4793	0.827170	-0.461415	-0.514903	-191.406250	105.468750	56.640625
4794	0.383802	-0.683099	-0.446442	-80.078125	-3.906250	134.765625
4795	0.080281	-0.659859	-0.342865	-134.765625	-66.406250	66.406250
4796	-0.026831	-0.783416	-0.461969	-248.046875	-111.328125	66.406250
4797	0.052651	-0.745049	-0.783431	-250.000000	-19.531250	9.765625
4798	0.825341	-1.247030	-1.270059	-150.390625	-66.406250	-70.312500
4799	0.520204	-1.004468	-1.180785	0.000000	39.062500	-125.000000
4800	0.412123	-0.615181	-1.133471	44.921875	29.296875	-91.796875
4801	0.297274	-0.419108	-1.036333	0.000000	33.203125	35.156250
4802	0.259614	-0.370215	-1.015550	-31.250000	-19.531250	-13.671875
4803	0.355768	-0.378379	-1.034330	-5.859375	-58.593750	-46.875000
4804	0.369711	-0.302027	-1.001848	7.812500	13.671875	5.859375
4805	0.334327	-0.287466	-0.994859	-3.906250	13.671875	-9.765625
4806	0.300596	-0.266230	-0.984415	-7.812500	1.953125	3.906250
4807	0.317858	-0.278488	-0.984399	-3.906250	-3.906250	7.812500
4808	0.321965	-0.273343	-0.984389	1.953125	0.000000	1.953125
4809	0.311929	-0.257756	-0.984384	1.953125	1.953125	1.953125
4810	0.312157	-0.260903	-0.984380	0.000000	-1.953125	-1.953125
4811	0.318544	-0.256542	-0.978128	1.953125	0.000000	-7.812500
4812	0.322377	-0.253925	-0.974377	0.000000	0.000000	-7.812500
4813	0.328133	-0.250494	-0.968750	0.000000	0.000000	0.000000
4814	0.328130	-0.250297	-0.968750	-1.953125	-1.953125	0.000000
4815	0.328128	-0.250178	-0.968750	0.000000	0.000000	-1.953125
4816	0.328127	-0.250107	-0.968750	0.000000	0.000000	0.000000
4817	0.328126	-0.256314	-0.968750	0.000000	-1.953125	0.000000
4818	0.340626	-0.297538	-1.000000	11.718750	-5.859375	-9.765625
4819	0.366875	-0.491023	-1.143750	87.890625	-35.156250	-35.156250
4820	0.313875	-0.738364	-1.217500	175.781250	-74.218750	-5.859375
4821	0.257075	-0.943018	-0.936750	248.046875	-72.265625	-74.218750
4822	0.435495	-0.772061	-0.580800	248.046875	60.546875	-250.000000
4823	0.686297	-0.244487	-0.604730	-5.859375	216.796875	-244.140625
4824	0.868028	-0.296692	-0.919088	-218.750000	41.015625	-167.968750
4825	0.670817	-0.621765	-0.870203	-33.203125	50.781250	31.250000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4826	0.371240	-1.023059	-0.309622	7.812500	-29.296875	56.640625
4827	0.428994	-1.126335	0.182977	144.531250	-160.156250	83.984375
4828	0.844896	-0.644551	0.366036	177.734375	-50.781250	-15.625000
4829	1.138188	-0.136731	0.213372	-68.359375	74.218750	-72.265625
4830	1.357913	-0.200788	-0.321977	-195.312500	123.046875	-83.984375
4831	1.002248	-0.551723	-0.543186	-123.046875	91.796875	-68.359375
4832	0.470099	-1.049784	-0.388412	41.015625	-44.921875	7.812500
4833	0.363309	-1.198620	0.198203	103.515625	-207.031250	87.890625
4834	0.742985	-0.775422	0.418922	216.796875	-85.937500	23.437500
4835	1.170791	-0.252753	0.376353	-35.156250	44.921875	-35.156250
4836	1.396225	-0.157902	-0.286688	-208.984375	103.515625	-91.796875
4837	1.081485	-0.507241	-0.559513	-109.375000	85.937500	-123.046875
4838	0.642641	-0.985595	-0.423208	50.781250	-9.765625	33.203125
4839	0.391835	-1.203857	0.239825	109.375000	-146.484375	109.375000
4840	0.697601	-0.816064	0.437645	224.609375	-76.171875	52.734375
4841	1.162310	-0.270888	0.400087	-13.671875	54.687500	-41.015625
4842	1.391136	-0.168783	-0.228698	-224.609375	64.453125	-66.406250
4843	1.040932	-0.513770	-0.512219	-126.953125	93.750000	-119.140625
4844	0.643309	-0.989512	-0.401081	37.109375	-54.687500	17.578125
4845	0.460985	-1.218707	0.209351	121.093750	-166.015625	91.796875
4846	0.801591	-0.743724	0.419361	228.515625	-82.031250	21.484375
4847	1.255955	-0.221235	0.357866	1.953125	82.031250	-72.265625
4848	1.466073	-0.101491	-0.185280	-216.796875	82.031250	-95.703125
4849	1.210894	-0.367144	-0.467418	-169.921875	107.421875	-54.687500
4850	0.795286	-0.664037	-0.405451	-83.984375	46.875000	23.437500
4851	0.508422	-0.842172	-0.212021	-82.031250	-3.906250	44.921875
4852	0.236303	-0.824053	-0.077212	-93.750000	-58.593750	99.609375
4853	0.116782	-0.738182	-0.108827	-146.484375	-134.765625	97.656250
4854	0.076319	-0.736659	-0.415296	-203.125000	-91.796875	35.156250
4855	0.183291	-0.735745	-0.824178	-218.750000	-29.296875	-117.187500
4856	0.503725	-0.828947	-1.163257	42.968750	95.703125	-109.375000
4857	0.502235	-0.572368	-1.154204	50.781250	-58.593750	-37.109375
4858	0.370091	-0.387171	-1.030022	11.718750	64.453125	-1.953125
4859	0.297055	-0.319803	-0.980513	-46.875000	19.531250	52.734375
4860	0.296983	-0.348132	-0.975808	-50.781250	-29.296875	-3.906250
4861	0.359440	-0.371379	-0.985485	-27.343750	-35.156250	-25.390625
4862	0.403164	-0.397827	-0.966291	5.859375	5.859375	9.765625
4863	0.386348	-0.247064	-0.953105	-1.953125	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4864	0.388059	-0.248238	-0.953113	0.000000	-1.953125	0.000000
4865	0.389085	-0.248943	-0.953118	0.000000	-1.953125	-1.953125
4866	0.389701	-0.249366	-0.953121	0.000000	0.000000	-3.906250
4867	0.390071	-0.249619	-0.953122	0.000000	0.000000	-1.953125
4868	0.390292	-0.249772	-0.953123	1.953125	0.000000	-1.953125
4869	0.402925	-0.312363	-0.984374	17.578125	-7.812500	1.953125
4870	0.435505	-0.481168	-1.121874	105.468750	-23.437500	-33.203125
4871	0.423803	-0.701201	-1.179375	156.250000	-33.203125	-13.671875
4872	0.335532	-0.926970	-0.951375	238.281250	-44.921875	-50.781250
4873	0.463819	-0.831182	-0.602075	248.046875	13.671875	-164.062500
4874	0.722041	-0.186209	-0.417495	76.171875	193.359375	-183.593750
4875	0.989475	0.019524	-0.856747	-228.515625	83.984375	-183.593750
4876	0.812435	-0.407035	-0.939048	-109.375000	78.125000	31.250000
4877	0.462461	-0.850471	-0.619679	-27.343750	-33.203125	50.781250
4878	0.189977	-1.210283	-0.003057	58.593750	-156.250000	95.703125
4879	0.563986	-1.013670	0.223166	201.171875	-173.828125	41.015625
4880	1.057142	-0.414452	0.308899	25.390625	35.156250	-35.156250
4881	1.340535	-0.229921	-0.245910	-156.250000	130.859375	-117.187500
4882	1.148071	-0.606703	-0.578796	-150.390625	83.984375	-68.359375
4883	0.657593	-0.932772	-0.547278	29.296875	3.906250	-19.531250
4884	0.294556	-1.159663	0.034133	42.968750	-115.234375	21.484375
4885	0.607983	-1.039548	0.301730	210.937500	-144.531250	62.500000
4886	1.014790	-0.504979	0.437288	93.750000	-9.765625	9.765625
4887	1.315124	-0.202987	-0.037627	-125.000000	126.953125	-136.718750
4888	1.201574	-0.465542	-0.522576	-218.750000	87.890625	-60.546875
4889	0.745945	-0.848075	-0.619796	-58.593750	25.390625	27.343750
4890	0.366317	-1.152595	-0.246877	54.687500	-72.265625	27.343750
4891	0.476040	-1.166557	0.208124	150.390625	-183.593750	48.828125
4892	0.873124	-0.712434	0.387374	166.015625	-64.453125	-11.718750
4893	1.261374	-0.327461	0.132424	-74.218750	103.515625	-62.500000
4894	1.313075	-0.271476	-0.433045	-220.703125	115.234375	-66.406250
4895	0.894095	-0.650386	-0.647327	-74.218750	76.171875	-23.437500
4896	0.523957	-1.027731	-0.357146	27.343750	-44.921875	29.296875
4897	0.389374	-1.235389	0.123212	115.234375	-171.875000	85.937500
4898	0.839874	-0.834983	0.298927	222.656250	-132.812500	5.859375
4899	1.285175	-0.275990	0.235606	-41.015625	93.750000	-89.843750
4900	1.346105	-0.178094	-0.302386	-218.750000	130.859375	-74.218750
4901	1.082663	-0.369356	-0.512682	-187.500000	95.703125	15.625000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4902	0.680848	-0.671614	-0.457609	-72.265625	50.781250	37.109375
4903	0.452259	-0.852968	-0.324565	-50.781250	-17.578125	1.953125
4904	0.327605	-0.893031	-0.232239	-50.781250	-52.734375	17.578125
4905	0.252813	-0.804569	-0.245594	-97.656250	-111.328125	35.156250
4906	0.301688	-0.757741	-0.372356	-144.531250	-167.968750	42.968750
4907	0.331013	-0.823395	-0.573414	-166.015625	-85.937500	-35.156250
4908	0.342358	-0.725287	-0.837798	-199.218750	-87.890625	78.125000
4909	0.455415	-0.722672	-0.996429	33.203125	91.796875	-25.390625
4910	0.466999	-0.502353	-1.016607	44.921875	-68.359375	-87.890625
4911	0.380199	-0.376412	-0.959964	-11.718750	44.921875	15.625000
4912	0.309370	-0.313347	-0.969729	-29.296875	27.343750	21.484375
4913	0.310622	-0.331758	-0.988087	-29.296875	-21.484375	-29.296875
4914	0.342623	-0.317805	-0.980352	1.953125	-21.484375	-37.109375
4915	0.368074	-0.290683	-0.975711	7.812500	-3.906250	-17.578125
4916	0.348731	-0.258573	-0.962279	3.906250	0.000000	-9.765625
4917	0.346739	-0.242644	-0.958618	-3.906250	0.000000	5.859375
4918	0.345543	-0.258086	-0.962671	-1.953125	0.000000	5.859375
4919	0.344826	-0.261102	-0.965102	-1.953125	0.000000	3.906250
4920	0.350646	-0.256661	-0.960311	0.000000	0.000000	0.000000
4921	0.347887	-0.260247	-0.957437	-1.953125	0.000000	0.000000
4922	0.346232	-0.262398	-0.961962	-1.953125	0.000000	0.000000
4923	0.357739	-0.282439	-0.977177	1.953125	-3.906250	-3.906250
4924	0.470894	-0.538213	-1.130056	74.218750	-23.437500	-64.453125
4925	0.532536	-0.710428	-1.234284	189.453125	25.390625	15.625000
4926	0.369522	-0.926257	-0.946820	232.421875	-25.390625	0.000000
4927	0.334213	-0.837004	-0.549342	248.046875	-5.859375	-144.531250
4928	0.600528	-0.302202	-0.292105	83.984375	111.328125	-191.406250
4929	0.929067	-0.056321	-0.681513	-175.781250	119.140625	-171.875000
4930	0.794940	-0.340043	-0.821408	-154.296875	74.218750	-31.250000
4931	0.564464	-0.691526	-0.611595	9.765625	-11.718750	48.828125
4932	0.357428	-1.008665	-0.041957	39.062500	-89.843750	72.265625
4933	0.483207	-0.992699	0.299826	191.406250	-164.062500	66.406250
4934	0.883674	-0.520620	0.536146	128.906250	-54.687500	-19.531250
4935	1.205205	-0.162372	0.177937	-82.031250	105.468750	-138.671875
4936	1.279373	-0.309923	-0.430738	-234.375000	121.093750	-27.343750
4937	0.886374	-0.735954	-0.620943	-89.843750	91.796875	-13.671875
4938	0.463074	-1.122822	-0.353816	11.718750	-15.625000	29.296875
4939	0.334095	-1.254943	0.125211	107.421875	-187.500000	91.796875

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4940	0.787957	-0.859216	0.381376	195.312500	-121.093750	21.484375
4941	1.241524	-0.421780	0.328826	-3.906250	93.750000	-35.156250
4942	1.351164	-0.340568	-0.277704	-181.640625	130.859375	-46.875000
4943	0.991949	-0.598091	-0.504123	-80.078125	91.796875	-95.703125
4944	0.557669	-0.921354	-0.371224	13.671875	-17.578125	25.390625
4945	0.284602	-1.165313	0.196016	39.062500	-148.437500	103.515625
4946	0.489511	-1.005438	0.417609	179.687500	-125.000000	41.015625
4947	0.993707	-0.672013	0.494316	44.921875	-27.343750	1.953125
4948	1.302474	-0.365708	-0.059661	-119.140625	160.156250	-72.265625
4949	1.112734	-0.650675	-0.417046	-156.250000	134.765625	-99.609375
4950	0.623891	-1.009155	-0.456478	7.812500	5.859375	-23.437500
4951	0.230584	-1.192993	-0.048887	50.781250	-125.000000	46.875000
4952	0.463351	-1.159546	0.283168	169.921875	-158.203125	41.015625
4953	0.940510	-0.645727	0.438651	144.531250	-72.265625	7.812500
4954	1.289306	-0.249936	0.113190	-95.703125	125.000000	-85.937500
4955	1.211084	-0.331212	-0.350836	-191.406250	166.015625	-31.250000
4956	0.889150	-0.629977	-0.460501	-109.375000	103.515625	-19.531250
4957	0.520990	-0.890486	-0.282551	-29.296875	27.343750	-21.484375
4958	0.237594	-0.990542	-0.138281	-5.859375	-62.500000	29.296875
4959	0.248806	-0.881825	0.010782	-9.765625	-140.625000	97.656250
4960	0.268034	-0.666595	0.025219	-91.796875	-93.750000	99.609375
4961	0.310820	-0.587457	-0.216119	-232.421875	-101.562500	37.109375
4962	0.348992	-0.552474	-0.635921	-250.000000	-11.718750	-83.984375
4963	0.271895	-0.443985	-1.181553	-250.000000	-111.328125	9.765625
4964	0.256887	-0.553891	-1.233932	70.312500	37.109375	-85.937500
4965	0.216632	-0.357334	-1.134109	11.718750	46.875000	-44.921875
4966	0.211229	-0.295651	-1.055465	17.578125	35.156250	-50.781250
4967	0.245488	-0.246140	-1.027029	25.390625	-1.953125	5.859375
4968	0.322293	-0.241434	-0.991218	9.765625	-27.343750	-21.484375
4969	0.387126	-0.226111	-0.982231	1.953125	0.000000	-19.531250
4970	0.401025	-0.229416	-0.976838	-1.953125	5.859375	-17.578125
4971	0.378115	-0.218900	-0.961103	-5.859375	7.812500	-17.578125
4972	0.408119	-0.225090	-0.951662	5.859375	19.531250	-42.968750
4973	0.438621	-0.203804	-0.927247	-11.718750	21.484375	-31.250000
4974	0.413173	-0.203532	-0.912598	33.203125	-41.015625	72.265625
4975	0.404154	-0.215869	-0.935059	-3.906250	-37.109375	46.875000
4976	0.386242	-0.273272	-0.948535	-7.812500	0.000000	25.390625
4977	0.328093	-0.305344	-0.953136	0.000000	-1.953125	-3.906250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
4978	0.328106	-0.308207	-0.953132	-1.953125	-1.953125	-1.953125
4979	0.328113	-0.309924	-0.953129	0.000000	-1.953125	-3.906250
4980	0.328118	-0.310954	-0.953127	0.000000	-1.953125	-3.906250
4981	0.328121	-0.317823	-0.959376	0.000000	-1.953125	-5.859375
4982	0.340622	-0.321944	-0.969376	9.765625	-3.906250	-9.765625
4983	0.385623	-0.393166	-1.025376	27.343750	-17.578125	-11.718750
4984	0.450124	-0.498400	-1.108975	97.656250	-9.765625	-37.109375
4985	0.413824	-0.680290	-1.096635	113.281250	-9.765625	-7.812500
4986	0.254545	-0.989424	-0.951731	197.265625	-60.546875	-74.218750
4987	0.333977	-0.831154	-0.614789	248.046875	-19.531250	-109.375000
4988	0.750386	-0.361193	-0.381373	82.031250	150.390625	-183.593750
4989	1.043982	-0.166716	-0.835074	-177.734375	179.687500	-113.281250
4990	0.788889	-0.487529	-0.907294	-113.281250	125.000000	-85.937500
4991	0.467083	-0.886268	-0.644377	-5.859375	-13.671875	41.015625
4992	0.217750	-1.069261	-0.092876	5.859375	-87.890625	29.296875
4993	0.299400	-1.041556	0.313024	121.093750	-173.828125	27.343750
4994	0.660890	-0.762434	0.450315	148.437500	-87.890625	5.859375
4995	1.109034	-0.332460	0.426439	-9.765625	68.359375	-78.125000
4996	1.284170	-0.180726	-0.194137	-226.562500	111.328125	-64.453125
4997	1.083002	-0.545936	-0.553982	-179.687500	68.359375	-97.656250
4998	0.699801	-0.927561	-0.544889	35.156250	17.578125	33.203125
4999	0.319881	-1.150287	-0.008184	85.937500	-99.609375	37.109375
5000	0.541928	-0.946422	0.301340	207.031250	-177.734375	62.500000
5001	1.062657	-0.380353	0.462054	85.937500	9.765625	13.671875
5002	1.300094	-0.059462	0.008482	-150.390625	115.234375	-85.937500
5003	1.192557	-0.435677	-0.501161	-210.937500	103.515625	-41.015625
5004	0.784284	-0.736406	-0.563196	-60.546875	54.687500	25.390625
5005	0.358070	-1.098094	-0.219168	-3.906250	-60.546875	35.156250
5006	0.227342	-1.308856	0.205999	105.468750	-162.109375	80.078125
5007	0.548905	-1.097814	0.279850	205.078125	-162.109375	-3.906250
5008	1.060593	-0.571188	0.336660	70.312500	21.484375	-50.781250
5009	1.261356	-0.292713	-0.035504	-154.296875	105.468750	-93.750000
5010	1.131814	-0.588128	-0.415052	-166.015625	101.562500	-121.093750
5011	0.766588	-0.809127	-0.449031	-37.109375	56.640625	23.437500
5012	0.328703	-1.097976	-0.044419	-23.437500	-56.640625	25.390625
5013	0.284722	-1.265036	0.348349	128.906250	-171.875000	119.140625
5014	0.789583	-0.959021	0.434009	214.843750	-119.140625	13.671875
5015	1.236250	-0.437913	0.429156	23.437500	78.125000	-97.656250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5016	1.310500	-0.281498	-0.086257	-203.125000	115.234375	-82.031250
5017	1.048800	-0.493899	-0.383004	-166.015625	93.750000	-72.265625
5018	0.673030	-0.715089	-0.329802	-68.359375	44.921875	-7.812500
5019	0.410068	-0.941554	-0.116631	-62.500000	-58.593750	-15.625000
5020	0.383541	-1.058682	0.073771	9.765625	-62.500000	50.781250
5021	0.361374	-0.853959	0.106763	-25.390625	-101.562500	97.656250
5022	0.366825	-0.699876	-0.035942	-125.000000	-126.953125	60.546875
5023	0.401345	-0.613675	-0.340315	-220.703125	-125.000000	13.671875
5024	0.453307	-0.593205	-0.766689	-250.000000	-132.812500	-101.562500
5025	0.615734	-0.962173	-1.147514	-48.828125	-3.906250	248.046875
5026	0.419440	-0.721054	-1.138508	19.531250	19.531250	-134.765625
5027	0.320414	-0.520132	-1.058105	13.671875	29.296875	19.531250
5028	0.235999	-0.424579	-1.016113	3.906250	9.765625	19.531250
5029	0.229099	-0.360998	-0.990918	-5.859375	-25.390625	-25.390625
5030	0.287459	-0.329099	-0.982051	5.859375	3.906250	-15.625000
5031	0.284976	-0.322459	-0.976730	-1.953125	-5.859375	-1.953125
5032	0.258485	-0.312225	-0.973538	-1.953125	-5.859375	-5.859375
5033	0.261341	-0.312335	-0.971623	0.000000	-1.953125	-11.718750
5034	0.269305	-0.293651	-0.970474	0.000000	-1.953125	-1.953125
5035	0.261583	-0.301191	-0.969784	-1.953125	-1.953125	3.906250
5036	0.263200	-0.305714	-0.969371	0.000000	-1.953125	-1.953125
5037	0.264170	-0.308429	-0.975372	0.000000	-1.953125	-7.812500
5038	0.258502	-0.297557	-0.972723	0.000000	-1.953125	0.000000
5039	0.271915	-0.317744	-0.967403	0.000000	-1.953125	-9.765625
5040	0.269399	-0.296896	-0.961692	-3.906250	-1.953125	3.906250
5041	0.267889	-0.328138	-0.964515	-1.953125	-1.953125	-1.953125
5042	0.266984	-0.309383	-0.966209	0.000000	-1.953125	-13.671875
5043	0.272690	-0.298130	-0.967225	-1.953125	-1.953125	-3.906250
5044	0.276114	-0.303878	-0.967835	-1.953125	-1.953125	3.906250
5045	0.290668	-0.332327	-0.986951	11.718750	3.906250	-9.765625
5046	0.336901	-0.449396	-1.060921	64.453125	15.625000	-15.625000
5047	0.452141	-0.569638	-1.130302	138.671875	17.578125	-25.390625
5048	0.440034	-0.704283	-0.996931	128.906250	39.062500	-33.203125
5049	0.332771	-0.860070	-0.754409	158.203125	1.953125	-17.578125
5050	0.343412	-0.872292	-0.377645	232.421875	-1.953125	-105.468750
5051	0.699797	-0.398375	-0.126587	103.515625	82.031250	-78.125000
5052	1.013628	-0.126525	-0.550952	-156.250000	148.437500	-91.796875
5053	0.801927	-0.413415	-0.743071	-134.765625	119.140625	-46.875000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5054	0.456156	-0.748049	-0.595843	23.437500	29.296875	31.250000
5055	0.198694	-1.023829	-0.045006	35.156250	-72.265625	19.531250
5056	0.331716	-1.083048	0.304247	136.718750	-160.156250	50.781250
5057	0.705280	-0.712329	0.463798	185.546875	-64.453125	19.531250
5058	1.035668	-0.302397	0.415779	-39.062500	66.406250	-44.921875
5059	1.221401	-0.243938	-0.119283	-189.453125	105.468750	-56.640625
5060	0.951590	-0.602613	-0.409070	-130.859375	93.750000	-76.171875
5061	0.539704	-0.980318	-0.307942	-21.484375	-72.265625	0.000000
5062	0.317573	-1.169441	0.183985	42.968750	-146.484375	54.687500
5063	0.565544	-1.007914	0.366641	205.078125	-121.093750	29.296875
5064	0.951826	-0.517249	0.457485	105.468750	-13.671875	5.859375
5065	1.189846	-0.216599	0.118241	-103.515625	126.953125	-103.515625
5066	1.176407	-0.454960	-0.316556	-185.546875	140.625000	-48.828125
5067	0.712094	-0.829226	-0.421183	-50.781250	50.781250	5.859375
5068	0.271007	-1.135035	-0.077710	5.859375	-83.984375	5.859375
5069	0.312604	-1.281021	0.347124	105.468750	-169.921875	66.406250
5070	0.625062	-0.912363	0.439524	199.218750	-87.890625	21.484375
5071	1.031287	-0.516168	0.407465	23.437500	42.968750	-35.156250
5072	1.225022	-0.334701	-0.024271	-160.156250	111.328125	-91.796875
5073	1.091263	-0.582070	-0.320813	-175.781250	93.750000	-95.703125
5074	0.642258	-0.999242	-0.367488	-44.921875	19.531250	1.953125
5075	0.235355	-1.255795	-0.020493	25.390625	-125.000000	3.906250
5076	0.497463	-1.303477	0.237704	154.296875	-214.843750	76.171875
5077	0.948478	-0.807086	0.317623	197.265625	-68.359375	29.296875
5078	1.225337	-0.465502	0.178074	3.906250	119.140625	-97.656250
5079	1.291452	-0.404301	-0.199406	-167.968750	134.765625	-80.078125
5080	1.056121	-0.592581	-0.325894	-123.046875	113.281250	-64.453125
5081	0.708673	-0.780548	-0.164286	-64.453125	54.687500	-27.343750
5082	0.456454	-0.955829	0.101428	-37.109375	-13.671875	-42.968750
5083	0.380122	-0.960997	0.210857	5.859375	-25.390625	19.531250
5084	0.359323	-0.764098	0.214014	-19.531250	-74.218750	56.640625
5085	0.284344	-0.595959	0.109659	-111.328125	-126.953125	99.609375
5086	0.264356	-0.570075	-0.196705	-248.046875	-191.406250	64.453125
5087	0.352364	-0.635795	-0.630523	-242.187500	-130.859375	-23.437500
5088	0.717668	-0.806477	-1.059564	-35.156250	105.468750	218.750000
5089	0.455601	-0.840136	-1.048238	9.765625	19.531250	-5.859375
5090	0.367111	-0.604082	-0.991443	3.906250	-11.718750	-46.875000
5091	0.320266	-0.524949	-0.976116	-1.953125	3.906250	-9.765625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5092	0.310910	-0.471219	-0.948169	5.859375	7.812500	9.765625
5093	0.299046	-0.451482	-0.937652	-1.953125	3.906250	0.000000
5094	0.304428	-0.402139	-0.925091	0.000000	5.859375	3.906250
5095	0.295157	-0.435033	-0.923805	-5.859375	3.906250	15.625000
5096	0.289594	-0.423520	-0.916783	-1.953125	1.953125	-3.906250
5097	0.286256	-0.435362	-0.912570	-3.906250	0.000000	1.953125
5098	0.284254	-0.423717	-0.916292	0.000000	-1.953125	-3.906250
5099	0.289302	-0.429230	-0.918525	-3.906250	-1.953125	-1.953125
5100	0.286081	-0.420038	-0.919865	-1.953125	-1.953125	-3.906250
5101	0.290399	-0.408273	-0.926919	-1.953125	0.000000	1.953125
5102	0.278714	-0.407141	-0.928219	0.000000	-3.906250	-13.671875
5103	0.285979	-0.363034	-0.925681	-11.718750	0.000000	0.000000
5104	0.271587	-0.399071	-0.955409	-5.859375	1.953125	3.906250
5105	0.275452	-0.389442	-0.948245	1.953125	-1.953125	-3.906250
5106	0.284021	-0.377415	-0.943947	1.953125	-1.953125	-5.859375
5107	0.282913	-0.376449	-0.941368	0.000000	0.000000	0.000000
5108	0.282248	-0.407120	-0.958571	3.906250	-1.953125	-3.906250
5109	0.269349	-0.525522	-1.025143	39.062500	-29.296875	-27.343750
5110	0.317859	-0.696563	-1.058836	117.187500	-44.921875	-54.687500
5111	0.309466	-0.936688	-0.972801	173.828125	-25.390625	-41.015625
5112	0.185679	-1.074513	-0.752431	248.046875	-29.296875	-95.703125
5113	0.273908	-0.775958	-0.401458	222.656250	9.765625	-177.734375
5114	0.776845	-0.284325	-0.440875	-25.390625	136.718750	-195.312500
5115	0.847357	-0.220595	-0.777025	-226.562500	103.515625	-130.859375
5116	0.677164	-0.557357	-0.753715	-66.406250	42.968750	31.250000
5117	0.412548	-0.921914	-0.383479	5.859375	-25.390625	72.265625
5118	0.391279	-1.178148	0.107413	68.359375	-158.203125	72.265625
5119	0.653517	-0.894389	0.276948	220.703125	-111.328125	21.484375
5120	1.017110	-0.374133	0.378669	85.937500	-1.953125	-41.015625
5121	1.229016	0.000520	0.052201	-123.046875	101.562500	-123.046875
5122	1.237410	-0.230938	-0.349929	-234.375000	58.593750	-74.218750
5123	0.923696	-0.701063	-0.428708	-78.125000	62.500000	76.171875
5124	0.554218	-0.989388	-0.107225	48.828125	-52.734375	25.390625
5125	0.513781	-1.049883	0.304415	103.515625	-132.812500	56.640625
5126	0.745768	-0.698680	0.451399	169.921875	-89.843750	19.531250
5127	1.103711	-0.244208	0.477089	-21.484375	9.765625	-37.109375
5128	1.255977	-0.052775	-0.019996	-177.734375	89.843750	-60.546875
5129	1.166086	-0.369165	-0.380748	-187.500000	39.062500	-41.015625

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5130	0.830902	-0.765249	-0.447199	-7.812500	23.437500	52.734375
5131	0.511041	-1.059149	-0.043319	60.546875	-68.359375	27.343750
5132	0.637875	-0.985490	0.305258	177.734375	-105.468750	19.531250
5133	0.920225	-0.460044	0.470655	126.953125	-13.671875	19.531250
5134	1.139635	-0.119776	0.269893	-72.265625	87.890625	-101.562500
5135	1.258781	-0.103116	-0.181814	-201.171875	50.781250	-52.734375
5136	1.017769	-0.361869	-0.390339	-103.515625	74.218750	-50.781250
5137	0.691911	-0.835872	-0.252953	19.531250	-31.250000	33.203125
5138	0.527647	-1.070273	0.135728	105.468750	-152.343750	64.453125
5139	0.785338	-0.829664	0.256437	230.468750	-109.375000	19.531250
5140	1.083703	-0.279048	0.347612	117.187500	-3.906250	-9.765625
5141	1.218972	0.001321	0.127317	-117.187500	97.656250	-113.281250
5142	1.175133	-0.030457	-0.204860	-197.265625	93.750000	-11.718750
5143	0.905080	-0.249524	-0.335416	-169.921875	74.218750	76.171875
5144	0.524298	-0.505965	-0.326249	-93.750000	23.437500	115.234375
5145	0.214579	-0.547329	-0.295750	-121.093750	-48.828125	52.734375
5146	0.016247	-0.634647	-0.396200	-205.078125	-87.890625	48.828125
5147	0.040998	-0.768288	-0.581470	-232.421875	-105.468750	-58.593750
5148	0.249599	-0.779723	-0.861382	-175.781250	-48.828125	-64.453125
5149	0.499759	-0.861584	-1.198079	-60.546875	85.937500	195.312500
5150	0.412356	-0.673200	-1.156347	48.828125	31.250000	-142.578125
5151	0.322413	-0.453920	-1.068808	19.531250	7.812500	-5.859375
5152	0.224698	-0.347352	-1.028785	1.953125	17.578125	0.000000
5153	0.228569	-0.327161	-1.023521	-3.906250	-21.484375	-41.015625
5154	0.374641	-0.252547	-0.976613	9.765625	25.390625	-25.390625
5155	0.381035	-0.232778	-0.973468	5.859375	3.906250	-37.109375
5156	0.341121	-0.214667	-0.965331	1.953125	-15.625000	11.718750
5157	0.335923	-0.241300	-0.979198	0.000000	-13.671875	13.671875
5158	0.357804	-0.226030	-0.968769	0.000000	3.906250	-1.953125
5159	0.352182	-0.223118	-0.968761	-3.906250	-3.906250	5.859375
5160	0.336309	-0.240121	-0.968757	-3.906250	0.000000	9.765625
5161	0.339286	-0.250322	-0.968754	0.000000	0.000000	1.953125
5162	0.334821	-0.256443	-0.968752	0.000000	-1.953125	-5.859375
5163	0.338144	-0.250431	-0.968750	0.000000	-1.953125	-3.906250
5164	0.340386	-0.250259	-0.968750	0.000000	-1.953125	-1.953125
5165	0.341732	-0.250155	-0.968750	0.000000	-1.953125	-1.953125
5166	0.342539	-0.256343	-0.968750	-1.953125	0.000000	-1.953125
5167	0.336773	-0.253806	-0.968750	0.000000	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5168	0.339564	-0.258534	-0.968750	0.000000	0.000000	0.000000
5169	0.347488	-0.280120	-0.987500	5.859375	-3.906250	-1.953125
5170	0.408493	-0.405572	-1.092500	68.359375	-21.484375	-13.671875
5171	0.451346	-0.549593	-1.149250	154.296875	11.718750	-15.625000
5172	0.383308	-0.842256	-1.052050	167.968750	-9.765625	-35.156250
5173	0.204985	-0.930354	-0.824980	246.093750	-74.218750	-44.921875
5174	0.222991	-0.683212	-0.451238	248.046875	-54.687500	-134.765625
5175	0.708794	-0.253677	-0.270743	41.015625	72.265625	-123.046875
5176	1.050277	-0.077206	-0.712446	-205.078125	156.250000	-250.000000
5177	0.836416	-0.521324	-0.896217	-169.921875	103.515625	19.531250
5178	0.426850	-0.856544	-0.600230	25.390625	3.906250	13.671875
5179	0.318610	-1.151427	-0.035138	1.953125	-142.578125	70.312500
5180	0.491166	-1.053356	0.235167	181.640625	-160.156250	60.546875
5181	0.869700	-0.732014	0.359850	148.437500	-56.640625	-15.625000
5182	1.159320	-0.332958	0.265910	-44.921875	93.750000	-113.281250
5183	1.295592	-0.168525	-0.246704	-214.843750	91.796875	-78.125000
5184	1.058605	-0.532365	-0.548022	-134.765625	103.515625	-48.828125
5185	0.597663	-0.900669	-0.391313	3.906250	3.906250	23.437500
5186	0.308598	-1.152901	0.090212	50.781250	-97.656250	31.250000
5187	0.497659	-0.954241	0.335377	199.218750	-146.484375	42.968750
5188	0.898595	-0.441294	0.501226	91.796875	-33.203125	-5.859375
5189	1.189157	-0.089777	0.181986	-144.531250	87.890625	-107.421875
5190	1.282244	-0.197616	-0.384559	-236.328125	93.750000	-46.875000
5191	0.913097	-0.587320	-0.561985	-70.312500	74.218750	62.500000
5192	0.479108	-0.983642	-0.343441	41.015625	-37.109375	37.109375
5193	0.306215	-1.183935	0.137685	97.656250	-166.015625	72.265625
5194	0.602479	-0.885361	0.301361	224.609375	-132.812500	37.109375
5195	1.011487	-0.456217	0.393317	72.265625	7.812500	-3.906250
5196	1.163142	-0.179980	0.029740	-148.437500	91.796875	-101.562500
5197	1.147885	-0.432988	-0.363406	-199.218750	80.078125	-70.312500
5198	0.769981	-0.791043	-0.411794	-52.734375	56.640625	52.734375
5199	0.405739	-1.093376	-0.097076	7.812500	-85.937500	9.765625
5200	0.405943	-1.212275	0.241754	99.609375	-220.703125	76.171875
5201	0.831066	-0.964865	0.288803	207.031250	-125.000000	15.625000
5202	1.136140	-0.566419	0.285782	62.500000	50.781250	-23.437500
5203	1.206684	-0.346101	-0.047281	-117.187500	128.906250	-103.515625
5204	1.105260	-0.413911	-0.284619	-179.687500	105.468750	-48.828125
5205	0.825656	-0.604597	-0.258271	-128.906250	95.703125	5.859375

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5206	0.582894	-0.794008	-0.142463	-87.890625	41.015625	0.000000
5207	0.343486	-0.826405	-0.091728	-87.890625	-17.578125	25.390625
5208	0.137342	-0.695843	-0.092537	-126.953125	-93.750000	72.265625
5209	0.057405	-0.742506	-0.330522	-214.843750	-148.437500	64.453125
5210	0.109443	-0.789253	-0.667063	-212.890625	-126.953125	-5.859375
5211	0.315666	-0.698552	-1.012738	-171.875000	-21.484375	-97.656250
5212	0.414399	-0.775381	-1.051393	-7.812500	99.609375	56.640625
5213	0.411140	-0.583979	-1.062086	35.156250	-48.828125	-121.093750
5214	0.321684	-0.456637	-0.987251	-23.437500	5.859375	-7.812500
5215	0.243010	-0.411482	-0.973601	-19.531250	11.718750	7.812500
5216	0.270806	-0.428139	-0.990410	1.953125	-25.390625	-41.015625
5217	0.349984	-0.319384	-0.956746	29.296875	5.859375	-50.781250
5218	0.353740	-0.291630	-0.955298	1.953125	-9.765625	-11.718750
5219	0.328012	-0.290791	-0.953806	0.000000	0.000000	-3.906250
5220	0.328057	-0.293225	-0.953533	0.000000	-1.953125	-1.953125
5221	0.328084	-0.294685	-0.953370	0.000000	-1.953125	-3.906250
5222	0.328101	-0.295561	-0.953272	0.000000	-1.953125	-5.859375
5223	0.328110	-0.296087	-0.959463	0.000000	-1.953125	-5.859375
5224	0.334366	-0.308902	-0.963178	7.812500	-3.906250	-7.812500
5225	0.344370	-0.322841	-0.971657	25.390625	-1.953125	5.859375
5226	0.381622	-0.574955	-1.082994	80.078125	-23.437500	0.000000
5227	0.397723	-0.751223	-1.149796	164.062500	-35.156250	-27.343750
5228	0.301134	-0.869484	-0.952378	201.171875	-48.828125	-48.828125
5229	0.205680	-0.821690	-0.571427	248.046875	-27.343750	-103.515625
5230	0.498408	-0.599264	-0.299106	160.156250	56.640625	-156.250000
5231	0.867795	-0.315808	-0.535714	-60.546875	193.359375	-244.140625
5232	0.883177	-0.508235	-0.790178	-201.171875	74.218750	-68.359375
5233	0.567406	-0.823691	-0.599107	-17.578125	29.296875	62.500000
5234	0.309194	-1.081715	-0.103214	0.000000	-97.656250	25.390625
5235	0.366766	-1.086529	0.256822	109.375000	-160.156250	46.875000
5236	0.701310	-0.770667	0.341593	150.390625	-111.328125	27.343750
5237	1.083286	-0.393650	0.317456	17.578125	50.781250	-37.109375
5238	1.237472	-0.242440	-0.159527	-195.312500	109.375000	-111.328125
5239	1.179983	-0.589214	-0.520716	-197.265625	91.796875	-62.500000
5240	0.745490	-0.941028	-0.518680	-13.671875	76.171875	70.312500
5241	0.328544	-1.139617	-0.117458	31.250000	-62.500000	35.156250
5242	0.272126	-1.190020	0.273275	125.000000	-158.203125	85.937500
5243	0.638276	-0.857762	0.345215	177.734375	-156.250000	35.156250

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5244	1.070465	-0.508407	0.350879	9.765625	13.671875	-54.687500
5245	1.223529	-0.242544	-0.108223	-177.734375	117.187500	-101.562500
5246	1.140368	-0.570527	-0.439934	-181.640625	101.562500	-78.125000
5247	0.796721	-0.904816	-0.488960	-35.156250	60.546875	-39.062500
5248	0.465532	-1.205390	-0.118376	17.578125	-66.406250	9.765625
5249	0.466819	-1.229484	0.278974	142.578125	-156.250000	74.218750
5250	0.717592	-0.775190	0.404885	230.468750	-54.687500	-44.921875
5251	1.111805	-0.202614	0.286681	-11.718750	41.015625	-76.171875
5252	1.260833	-0.096568	-0.252992	-242.187500	58.593750	-48.828125
5253	1.019000	-0.432941	-0.489295	-164.062500	93.750000	1.953125
5254	0.592650	-0.853515	-0.312327	-19.531250	-31.250000	23.437500
5255	0.411840	-1.143359	0.075104	54.687500	-152.343750	44.921875
5256	0.609604	-1.136015	0.251312	191.406250	-162.109375	58.593750
5257	0.934512	-0.725359	0.294537	183.593750	-56.640625	-15.625000
5258	1.179457	-0.347715	0.170472	-29.296875	83.984375	-95.703125
5259	1.201424	-0.296129	-0.153967	-177.734375	113.281250	-85.937500
5260	1.052105	-0.521428	-0.286130	-152.343750	103.515625	-44.921875
5261	0.775013	-0.694107	-0.177928	-85.937500	82.031250	5.859375
5262	0.508758	-0.841464	-0.044257	-68.359375	31.250000	9.765625
5263	0.311505	-0.848628	0.023446	-60.546875	-42.968750	42.968750
5264	0.205653	-0.696677	0.020318	-97.656250	-125.000000	60.546875
5265	0.160892	-0.624256	-0.175309	-201.171875	-150.390625	80.078125
5266	0.215285	-0.674554	-0.542686	-234.375000	-128.906250	-5.859375
5267	0.254171	-0.754732	-0.906861	-185.546875	-50.781250	19.531250
5268	0.458753	-0.721589	-1.000367	-17.578125	134.765625	-15.625000
5269	0.431502	-0.651704	-0.968970	27.343750	-11.718750	-5.859375
5270	0.371401	-0.434772	-0.975132	13.671875	-9.765625	-58.593750
5271	0.304091	-0.373363	-0.960079	-19.531250	11.718750	17.578125
5272	0.257454	-0.361518	-0.963548	-15.625000	-9.765625	-15.625000
5273	0.348223	-0.354411	-0.965629	13.671875	9.765625	-37.109375
5274	0.358934	-0.312646	-0.960627	0.000000	-5.859375	-27.343750
5275	0.346610	-0.287588	-0.963876	0.000000	3.906250	-3.906250
5276	0.326716	-0.272553	-0.959576	0.000000	0.000000	7.812500
5277	0.339780	-0.269782	-0.956995	-3.906250	-3.906250	0.000000
5278	0.353868	-0.280619	-0.955447	-3.906250	1.953125	11.718750
5279	0.349821	-0.280871	-0.954518	0.000000	-1.953125	1.953125
5280	0.347392	-0.281023	-0.953961	0.000000	0.000000	-3.906250
5281	0.343892	-0.282468	-0.953308	0.000000	0.000000	0.000000

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5282	0.343835	-0.281981	-0.953235	0.000000	0.000000	0.000000
5283	0.343801	-0.287938	-0.953191	0.000000	-1.953125	-1.953125
5284	0.343781	-0.285263	-0.953165	0.000000	-1.953125	-3.906250
5285	0.343768	-0.277408	-0.953149	0.000000	-1.953125	-1.953125
5286	0.343761	-0.278945	-0.953139	0.000000	-1.953125	-1.953125
5287	0.343757	-0.286117	-0.953134	0.000000	-1.953125	-1.953125
5288	0.356254	-0.309170	-0.971880	7.812500	-3.906250	-7.812500
5289	0.445002	-0.504252	-1.126878	111.328125	-3.906250	-64.453125
5290	0.523251	-0.615051	-1.157377	162.109375	21.484375	5.859375
5291	0.426451	-0.831531	-0.963176	160.156250	-11.718750	13.671875
5292	0.249621	-0.911418	-0.627906	248.046875	-42.968750	-132.812500
5293	0.431022	-0.571851	-0.157993	195.312500	13.671875	-179.687500
5294	0.921113	-0.249361	-0.401046	-37.109375	248.046875	-169.921875
5295	1.015168	-0.418366	-0.834378	-250.000000	89.843750	-27.343750
5296	0.615351	-0.757270	-0.694377	-35.156250	68.359375	44.921875
5297	0.344210	-0.966862	-0.260376	15.625000	-54.687500	17.578125
5298	0.331526	-1.061367	0.168774	66.406250	-171.875000	46.875000
5299	0.573916	-0.843070	0.276265	171.875000	-134.765625	39.062500
5300	0.994349	-0.580842	0.359509	76.171875	1.953125	3.906250
5301	1.171610	-0.167255	0.146955	-82.031250	107.421875	-111.328125
5302	1.265466	-0.375353	-0.349327	-205.078125	82.031250	-76.171875
5303	0.859279	-0.712712	-0.409596	-93.750000	74.218750	56.640625
5304	0.496818	-0.958877	-0.152008	-11.718750	-29.296875	15.625000
5305	0.279341	-1.069076	0.171295	64.453125	-123.046875	70.312500
5306	0.561354	-0.953946	0.315277	160.156250	-160.156250	27.343750
5307	0.999313	-0.541117	0.451666	76.171875	-11.718750	-19.531250
5308	1.162088	-0.180920	0.114750	-130.859375	115.234375	-142.578125
5309	1.184753	-0.383552	-0.349900	-187.500000	74.218750	-11.718750
5310	0.904602	-0.673881	-0.428690	-78.125000	91.796875	46.875000
5311	0.492761	-0.948079	-0.263464	17.578125	27.343750	19.531250
5312	0.233157	-1.131347	0.104422	62.500000	-126.953125	80.078125
5313	0.433644	-1.003808	0.312653	160.156250	-169.921875	35.156250
5314	0.853936	-0.602285	0.462592	87.890625	-41.015625	-17.578125
5315	1.162362	-0.173871	0.165055	-123.046875	58.593750	-95.703125
5316	1.166167	-0.316823	-0.319717	-212.890625	78.125000	-17.578125
5317	0.805950	-0.633844	-0.441830	-62.500000	64.453125	25.390625
5318	0.464820	-0.930306	-0.221348	19.531250	-35.156250	15.625000
5319	0.341392	-1.120684	0.142191	93.750000	-115.234375	42.968750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5320	0.523585	-0.953660	0.254065	193.359375	-148.437500	35.156250
5321	0.889151	-0.578446	0.339939	109.375000	-62.500000	15.625000
5322	1.152241	-0.315818	0.128963	-85.937500	85.937500	-80.078125
5323	1.178844	-0.314491	-0.210122	-183.593750	121.093750	-76.171875
5324	0.957307	-0.532444	-0.313573	-125.000000	117.187500	-9.765625
5325	0.655634	-0.750717	-0.181894	-60.546875	62.500000	5.859375
5326	0.505880	-0.881680	-0.065386	-27.343750	3.906250	7.812500
5327	0.416028	-0.860258	0.029518	-15.625000	-35.156250	42.968750
5328	0.368367	-0.741155	0.067711	-50.781250	-70.312500	39.062500
5329	0.383520	-0.788443	-0.003123	-109.375000	-87.890625	56.640625
5330	0.342612	-0.854316	-0.151874	-109.375000	-50.781250	62.500000
5331	0.205567	-0.843839	-0.328624	-128.906250	-56.640625	80.078125
5332	0.173340	-0.768804	-0.522175	-130.859375	-33.203125	-64.453125
5333	0.247754	-0.648782	-0.757055	-146.484375	-41.015625	-166.015625
5334	0.761153	-0.895519	-0.985483	-68.359375	23.437500	164.062500
5335	0.575442	-0.662312	-0.991290	19.531250	-27.343750	-46.875000
5336	0.414015	-0.509887	-0.951024	-1.953125	3.906250	11.718750
5337	0.329659	-0.424682	-0.951864	-11.718750	0.000000	-9.765625
5338	0.354045	-0.429809	-0.964869	5.859375	7.812500	-17.578125
5339	0.374927	-0.357886	-0.947671	5.859375	0.000000	-17.578125
5340	0.349956	-0.333481	-0.949853	-5.859375	-3.906250	7.812500
5341	0.328724	-0.337589	-0.951162	-1.953125	1.953125	3.906250
5342	0.347234	-0.327553	-0.951947	1.953125	1.953125	-3.906250
5343	0.345841	-0.315282	-0.946168	-1.953125	-1.953125	0.000000
5344	0.332504	-0.320419	-0.942701	-1.953125	0.000000	0.000000
5345	0.337003	-0.317252	-0.940621	0.000000	0.000000	-3.906250
5346	0.339702	-0.315351	-0.939372	-1.953125	-1.953125	1.953125
5347	0.341321	-0.314211	-0.938623	-1.953125	0.000000	0.000000
5348	0.342354	-0.344734	-0.935367	0.000000	-1.953125	-5.859375
5349	0.342913	-0.331841	-0.936220	0.000000	-1.953125	-3.906250
5350	0.349498	-0.330354	-0.936732	-3.906250	0.000000	5.859375
5351	0.340949	-0.341963	-0.937039	-1.953125	0.000000	5.859375
5352	0.335819	-0.348928	-0.937224	0.000000	-1.953125	0.000000
5353	0.345241	-0.359357	-0.943584	3.906250	-3.906250	-11.718750
5354	0.344645	-0.353114	-0.947400	7.812500	-7.812500	-17.578125
5355	0.350537	-0.393118	-0.987190	17.578125	-17.578125	0.000000
5356	0.379072	-0.567121	-1.111064	74.218750	-46.875000	13.671875
5357	0.371193	-0.734023	-1.085389	160.156250	-9.765625	-17.578125

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5358	0.291466	-0.952914	-0.863733	214.843750	-15.625000	-42.968750
5359	0.237380	-0.915498	-0.518240	248.046875	-27.343750	-123.046875
5360	0.473678	-0.393049	-0.192194	117.187500	33.203125	-173.828125
5361	0.921707	-0.098329	-0.565316	-158.203125	136.718750	-181.640625
5362	0.846774	-0.390248	-0.832940	-205.078125	113.281250	-25.390625
5363	0.545564	-0.734149	-0.681014	7.812500	50.781250	41.015625
5364	0.314839	-1.059239	-0.246108	27.343750	-35.156250	3.906250
5365	0.270153	-1.129293	0.221085	128.906250	-134.765625	56.640625
5366	0.612092	-0.752576	0.376401	191.406250	-91.796875	46.875000
5367	0.973505	-0.364046	0.450841	11.718750	35.156250	-27.343750
5368	1.215353	-0.149677	-0.048246	-203.125000	44.921875	-80.078125
5369	1.129212	-0.521056	-0.416447	-146.484375	113.281250	-80.078125
5370	0.683777	-0.881384	-0.349868	-29.296875	29.296875	23.437500
5371	0.316516	-1.103830	0.021329	33.203125	-85.937500	9.765625
5372	0.377410	-1.149798	0.275297	123.046875	-167.968750	48.828125
5373	0.695196	-0.789879	0.352678	193.359375	-97.656250	27.343750
5374	1.142118	-0.373927	0.349107	-19.531250	29.296875	-1.953125
5375	1.247771	-0.174356	-0.078036	-193.359375	119.140625	-93.750000
5376	1.098662	-0.523364	-0.465571	-183.593750	111.328125	-68.359375
5377	0.709197	-0.857768	-0.385593	-31.250000	52.734375	44.921875
5378	0.381768	-1.120911	-0.068856	21.484375	-74.218750	3.906250
5379	0.322811	-1.185047	0.208687	113.281250	-166.015625	78.125000
5380	0.624937	-0.892278	0.268962	173.828125	-152.343750	62.500000
5381	1.106212	-0.529117	0.298877	44.921875	15.625000	-21.484375
5382	1.226227	-0.267470	-0.045674	-175.781250	109.375000	-125.000000
5383	1.079486	-0.572982	-0.427404	-191.406250	103.515625	-107.421875
5384	0.747692	-0.856289	-0.400193	-37.109375	52.734375	52.734375
5385	0.411115	-1.038774	-0.102616	7.812500	-50.781250	7.812500
5386	0.359169	-1.204514	0.207181	74.218750	-162.109375	54.687500
5387	0.609251	-1.022708	0.268058	181.640625	-148.437500	31.250000
5388	1.003051	-0.594875	0.323335	97.656250	-48.828125	0.000000
5389	1.183081	-0.294425	0.075251	-101.562500	117.187500	-109.375000
5390	1.103598	-0.320405	-0.292349	-177.734375	148.437500	-42.968750
5391	0.774659	-0.517243	-0.306660	-97.656250	121.093750	7.812500
5392	0.521045	-0.791596	-0.096496	-54.687500	33.203125	5.859375
5393	0.406377	-0.893707	0.067103	-13.671875	-5.859375	13.671875
5394	0.350076	-0.861224	0.127762	3.906250	-27.343750	42.968750
5395	0.278796	-0.722985	0.089157	-44.921875	-68.359375	74.218750

	acc_X	acc_Y	acc_Z	gyro_X	gyro_Y	gyro_Z
5396	0.211027	-0.602541	-0.046506	-150.390625	-113.281250	52.734375
5397	0.164116	-0.636524	-0.352904	-238.281250	-115.234375	87.890625
5398	0.235970	-0.850665	-0.711742	-234.375000	-64.453125	-82.031250
5399	0.297832	-0.747899	-0.895795	-83.984375	60.546875	-158.203125
5400	0.722449	-1.036239	-1.043727	-64.453125	27.343750	142.578125
5401	0.558469	-0.709244	-1.019986	37.109375	-42.968750	-62.500000
5402	0.410082	-0.531796	-0.968242	-15.625000	13.671875	11.718750
5403	0.308549	-0.450328	-0.968445	-15.625000	-3.906250	7.812500
5404	0.378879	-0.395197	-0.968567	15.625000	11.718750	-27.343750
5405	0.371078	-0.343368	-0.949890	-5.859375	-5.859375	3.906250
5406	0.335147	-0.343521	-0.951184	-5.859375	-1.953125	7.812500
5407	0.326088	-0.324862	-0.945710	1.953125	1.953125	-9.765625
5408	0.339403	-0.313667	-0.942426	-1.953125	-1.953125	-1.953125
5409	0.334892	-0.319450	-0.946706	0.000000	-1.953125	0.000000
5410	0.332185	-0.316670	-0.949273	-1.953125	0.000000	5.859375
5411	0.336811	-0.315002	-0.950814	1.953125	0.000000	-1.953125
5412	0.333337	-0.320251	-0.951738	0.000000	-1.953125	0.000000
5413	0.331252	-0.317151	-0.952293	1.953125	-1.953125	-3.906250

Choose `max_n_samples` for segmenting a window

In [12]:
```
Fs = 10 # sampling freq
frame_size = max_n_samples
sliding_overlap = Fs*2 # 50% overlap
```

In [13]:
```
def get_frames(df, frame_size, sliding_overlap):

    N_FEATURES = 6 # number of features

    frames = []
    labels = []
    for i in range(0, len(df) - frame_size):
        acc_X = df['acc_X'].values[i: i + frame_size]
        acc_Y = df['acc_Y'].values[i: i + frame_size]
        acc_Z = df['acc_Z'].values[i: i + frame_size]
        gyro_X = df['gyro_X'].values[i: i + frame_size]
        gyro_Y = df['gyro_Y'].values[i: i + frame_size]
        gyro_Z = df['gyro_Z'].values[i: i + frame_size]

        # Select the label that appears the most often in this segment
        label = stats.mode(df['Activity'][i: i + frame_size])[0][0]
        frames.append([acc_X, acc_Y, acc_Z, gyro_X, gyro_Y, gyro_Z])
        labels.append(label)

    frames = np.asarray(frames).reshape(-1, N_FEATURES, frame_size)
    labels = np.asarray(labels, dtype=object)

    return frames, labels
```

In [14]:
```
X, y = get_frames(combined_raw, frame_size, sliding_overlap)
```

In [15]:
```
X.shape
```

Out[15]:
```
(5343, 6, 71)
```

In [16]:
```
X
```

Out[16]:
```
array([[[  0.34730522,   0.35213313,   0.35502988, ...,   0.37041103,
           0.33474662,   0.33209797],
        [ -0.29906258,  -0.30443755,  -0.31391253, ...,  -0.37616601,
          -0.34444961,  -0.31291976],
        [ -0.94162629,  -0.93997577,  -0.93898546, ...,  -1.02649388,
          -1.00339633,  -0.9770378 ],
        [ -1.953125  ,   0.        ,   0.        , ...,   1.953125  ,
           3.90625   ,   7.8125    ],
        [ -1.953125  ,   0.        ,   1.953125  , ...,  21.484375  ,
           9.765625  , -19.53125   ],
        [  0.        ,   0.        ,  -1.953125  , ..., -25.390625  ,
         -11.71875   ,  -5.859375  ]],

       [[  0.35213313,   0.35502988,   0.35676793, ...,   0.33474662,
           0.33209797,   0.34925878],
        [ -0.30443755,  -0.31391253,  -0.31959752, ...,  -0.34444961,
          -0.31291976,  -0.30025186],
        [ -0.93997577,  -0.93898546,  -0.94464128, ...,  -1.00339633,
          -0.9770378 ,  -0.96122268],
        [  0.        ,   0.        ,   1.953125  , ...,   3.90625   ,
           7.8125    ,   0.        ],
        [  0.        ,   1.953125  ,   0.        , ...,   9.765625  ,
         -19.53125   ,  -9.765625  ],
        [  0.        ,  -1.953125  ,  -1.953125  , ..., -11.71875   ,
          -5.859375  ,  -3.90625   ]],

       [[  0.35502988,   0.35676793,   0.35156076, ...,   0.33209797,
           0.34925878,   0.35330527],
        [ -0.31391253,  -0.31959752,  -0.32300851, ...,  -0.31291976,
          -0.30025186,  -0.29265111],
        [ -0.93898546,  -0.94464128,  -0.94178477, ...,  -0.9770378 ,
          -0.96122268,  -0.96423361],
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        [ -1.953125  ,  -1.953125  ,   0.        , ...,  -5.859375  ,
          -3.90625   ,   1.953125  ]],

       ...,

       [[  0.34995633,   0.3287238 ,   0.34723428, ...,   0.33940277,
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        [ -0.33348135,  -0.33758881,  -0.32755329, ...,  -0.31366748,
          -0.31945049,  -0.31667029],
        [ -0.94985269,  -0.95116161,  -0.95194697, ...,  -0.94242629,
          -0.94670577,  -0.94927346],
        [ -5.859375  ,  -1.953125  ,   1.953125  , ...,  -1.953125  ,
           0.        ,  -1.953125  ],
        [ -3.90625   ,   1.953125  ,   1.953125  , ...,  -1.953125  ,
          -1.953125  ,   0.        ],
        [  7.8125    ,   3.90625   ,  -3.90625   , ...,  -1.953125  ,
           0.        ,   5.859375  ]],

       [[  0.3287238 ,   0.34723428,   0.34584057, ...,   0.33489166,
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        [ -0.33758881,  -0.32755329,  -0.31528197, ...,  -0.31945049,
          -0.31667029,  -0.31500218],
        [ -0.95116161,  -0.95194697,  -0.94616818, ...,  -0.94670577,
          -0.94927346,  -0.95081408],
```

```
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[[  0.34723428,   0.34584057,   0.33250434, ...,   0.332185  ,
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   -0.31500218,  -0.32025131],
 [ -0.95194697,  -0.94616818,  -0.94270091, ...,  -0.94927346,
   -0.95081408,  -0.95173845],
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    1.953125  ,   0.        ],
 [  1.953125  ,  -1.953125  ,   0.        , ...,   0.        ,
    0.        ,  -1.953125  ],
 [ -3.90625   ,   0.        ,   0.        , ...,   5.859375  ,
   -1.953125  ,   0.        ]]])
```

In [17]:

```
y
```

Out[17]:

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array(['dab', 'dab', 'dab', 'dab', 'dab', 'dab', 'dab', 'dab', 'dab',
       '
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'listen', 'listen', 'listen', 'listen
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```

```
6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,
```

Search for optimal hyperparameters using Tune Search (https://github.com/ray-project/tune-sklearn)

In [ ]:
```
# Bad: always exceed epoch limit without convergence. To be considered in future.
def tuneSearch():

    X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.1, random_state=

    mlp_adam = nn.MLPClassifier(solver='adam', early_stopping=True, batch_size=32)

    scaler = StandardScaler()
    X_train = scaler.fit_transform(X_train)
    X_test = scaler.transform(X_test)

    tune_parameters = {
        'hidden_layer_sizes': [(100,200), (150,200), (200, 150), (50, 200, 3)],
        'activation': ['tanh', 'relu'],
        'solver': ['adam'],
        'alpha': [1e-4, 1e-1, 0.05],
        'epsilon':[0.01, 0.1]
    }

    tune_search = TuneGridSearchCV(
        mlp_adam,
        tune_parameters,
        early_stopping=True,
        max_iters=10
    )

    tune_search.fit(X_train, y_train)
    pred = tune_search.predict(X_test)
    accuracy = np.count_nonzero(np.array(pred) == np.array(y_test)) / len(pred)
    print("Tune Accuracy:", accuracy)
    print(tune_search.best_params_)
```

Search for optimal hyperparameters using GridSearchCV

In [ ]:
```
def GSCV():

    X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=

    mlp_adam = nn.MLPClassifier(solver='adam', early_stopping=True, batch_size=minSamples)

    scaler = StandardScaler()
    X_train = scaler.fit_transform(X_train)
    X_test = scaler.transform(X_test)

#     print('X_train:', X_train)
#     print('X_test:', X_test)
#     print('y_train:', y_train)
#     print('y_test:', y_test)

    parameter_space = {
        'hidden_layer_sizes': [(100,200), (150,200), (200, 150), (50,200,3),
                               (50,100,50), (100,), (200,), (300,), (400,)],
        'activation': ['tanh', 'relu'],
        'alpha': [0.0001, 0.001, 0.05],
        'tol': [1e-4, 1e-5, 1e-6]
    }


    clf = GridSearchCV(mlp_adam, parameter_space, scoring='accuracy', n_jobs=-1, cv=3, ver
    clf.fit(X_train, y_train)
```

```
    print('Best parameters found:\n', clf.best_params_)

#     # All results
#     means = clf.cv_results_['mean_test_score']
#     stds = clf.cv_results_['std_test_score']
#     for mean, std, params in zip(means, stds, clf.cv_results_['params']):
#         print("%0.3f (+/-%0.03f) for %r" % (mean, std * 2, params))

    mlp_pred = clf.predict(X_test)

    print('Results on the test set:')
    print(classification_report(y_test, mlp_pred, target_names=encoder.classes_))
```

In [ ]:
```
GSCV()
```

Note the optimal hyperparameters found above are just indicative

MLP Training

In [21]:
```
train_histories = []
cm_hist = []
classification_report_hist = []
```

In [25]:
```
def perform_mlp(fold, pca):
    start_time = timer()
    k = fold
    perform_pca = pca
    kf = KFold(n_splits=k, shuffle=True)
    #kf = StratifiedKFold(n_splits=k, shuffle=True)


# # Trial 3: ave accuracy 81%
#     mlp_adam = nn.MLPClassifier(hidden_layer_sizes=(200, 150), max_iter=500, activation=
#                                         batch_size = minSamples, validation_fraction=0.2,
#                                         alpha=1e-4, early_stopping=True, verbose=0, tol=1e
#                                         learning_rate_init=0.001, shuffle=False)

    acc_scores = []
    cv_iteration = 1
    cv_pca_iteration = 1
    train_histories.clear()
    cm_hist.clear()
    classification_report_hist.clear()
#     train_histories_mlp_sgd.clear()
#     train_histories_mlp_adam.clear()

    for train_index, test_index in kf.split(X):

        if perform_pca == False:
            print('\nTraining model and cross validate using fold #{}...\n ' .format(cv_it
            cv_iteration += 1

        X_train , X_test = X[train_index,:], X[test_index,:]
        y_train , y_test = y[train_index], y[test_index]

#         print('X_train shape:', X_train.shape)
#         print('X_test shape:', X_test.shape)

        y_test_without_transform = y_test

#         print('X_train before standard scaler: ', X_train)
#         print('X_test before standard scaler: ', X_test)
```

```
#         scaler = StandardScaler()
#         X_train = scaler.fit_transform(X_train)
#         X_test = scaler.transform(X_test)

        scaler = StandardScaler()
        X_train = scaler.fit_transform(X_train.reshape(-1, X_train.shape[-1])).reshape(X_t
        X_test = scaler.transform(X_test.reshape(-1, X_test.shape[-1])).reshape(X_test.sha
#         print('X_train shape:', X_train.shape)
#         print('X_test shape:', X_test.shape)


        y_train = to_categorical(y_train, num_classes=8)
        y_test = to_categorical(y_test, num_classes=8)

        X_train = X_train.reshape(X_train.shape[0], X_train.shape[1], X_train.shape[2], 1)
        X_test = X_test.reshape(X_test.shape[0], X_test.shape[1], X_test.shape[2], 1)

#         print('X_train shape:', X_train.shape)
#         print('X_test shape:', X_test.shape)

        if perform_pca == True:
            print('\nTraining model with PCA and cross validate using fold #{}...\n ' .for
            cv_pca_iteration += 1
            pca = PCA(n_components = 4) # n=100 is the usual consensus in HAR
            X_train = pca.fit_transform(X_train)
            X_test = pca.transform(X_test)
            pca.explained_variance_ratio_

        def mlp_model():
            model = Sequential()
            model.add(Flatten(input_shape=X_train[0].shape))
            #model.add(Dense(units=64, kernel_initializer='uniform', activation='relu', in
            model.add(Dense(units=64, kernel_initializer='uniform', activation='relu'))
            model.add(Dropout(0.2))
            model.add(Dense(units=16, kernel_initializer='uniform', activation='relu'))
#             model.add(Flatten())
            model.add(Dense(units=8, kernel_initializer='uniform', activation='softmax'))
            model.compile(optimizer=Adam(learning_rate=0.001), loss='categorical_crossentr
            return model

        mlp = mlp_model()
        print(mlp.summary())

        checkpoint_filepath="MLP_weights_checkpoint.hdf5"

        my_callbacks = [
            EarlyStopping(monitor='val_loss', mode='min', verbose=1, patience=20),
            ReduceLROnPlateau(monitor='val_accuracy', factor=0.1, min_delta=0.00001, patie
            ModelCheckpoint(filepath = checkpoint_filepath, save_weights_only=True, monito
                            verbose=1, save_best_only=True, mode='max')
        ]

        history = mlp.fit(X_train, y_train, batch_size=64, epochs=200, validation_data=(X_
                                callbacks=[my_callbacks])

        mlp_pred = np.argmax(mlp.predict(X_test), axis=-1)
        scores = mlp.evaluate(X_test, y_test, batch_size=64, verbose=0)
        acc_scores.append(scores[1])
        train_histories.append(history.history)

        mlp.save('saved_models/MLP_99.6_accuracy')

        print('y_test\n', y_test_without_transform)
        print('')
        print('mlp_pred\n', mlp_pred)
```

```
        cm_hist.append(confusion_matrix(y_test_without_transform, mlp_pred))
        classification_report_hist.append(classification_report(y_test_without_transform,

    end_time = timer()
    time_taken = end_time - start_time

    return acc_scores, time_taken
```

In [26]:
```
acc_scores, time_taken = perform_mlp(fold=5, pca=False)
```

```
Training model and cross validate using fold #1...

Model: "sequential_5"
_________________________________________________________________
Layer (type)                 Output Shape              Param #
=================================================================
flatten_5 (Flatten)          (None, 426)               0
_________________________________________________________________
dense_15 (Dense)             (None, 64)                27328
_________________________________________________________________
dropout_5 (Dropout)          (None, 64)                0
_________________________________________________________________
dense_16 (Dense)             (None, 16)                1040
_________________________________________________________________
dense_17 (Dense)             (None, 8)                 136
=================================================================
Total params: 28,504
Trainable params: 28,504
Non-trainable params: 0
_________________________________________________________________
None
Epoch 1/200
67/67 [==============================] - 1s 3ms/step - loss: 2.0165 - accuracy: 0.2439 - v
al_loss: 1.6829 - val_accuracy: 0.3078

Epoch 00001: val_accuracy improved from -inf to 0.30776, saving model to MLP_weights_check
point.hdf5
Epoch 2/200
67/67 [==============================] - 0s 2ms/step - loss: 1.5462 - accuracy: 0.3853 - v
al_loss: 1.0538 - val_accuracy: 0.6268

Epoch 00002: val_accuracy improved from 0.30776 to 0.62675, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 3/200
67/67 [==============================] - 0s 2ms/step - loss: 0.9109 - accuracy: 0.6701 - v
al_loss: 0.5121 - val_accuracy: 0.8672

Epoch 00003: val_accuracy improved from 0.62675 to 0.86717, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 4/200
67/67 [==============================] - 0s 2ms/step - loss: 0.5068 - accuracy: 0.8247 - v
al_loss: 0.3101 - val_accuracy: 0.9429

Epoch 00004: val_accuracy improved from 0.86717 to 0.94294, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 5/200
67/67 [==============================] - 0s 2ms/step - loss: 0.3431 - accuracy: 0.8960 - v
al_loss: 0.2082 - val_accuracy: 0.9663

Epoch 00005: val_accuracy improved from 0.94294 to 0.96632, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 6/200
67/67 [==============================] - 0s 2ms/step - loss: 0.2406 - accuracy: 0.9255 - v
al_loss: 0.1437 - val_accuracy: 0.9710

Epoch 00006: val_accuracy improved from 0.96632 to 0.97100, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 7/200
```

```
67/67 [==============================] - 0s 2ms/step - loss: 0.1777 - accuracy: 0.9499 - v
al_loss: 0.1014 - val_accuracy: 0.9794

Epoch 00007: val_accuracy improved from 0.97100 to 0.97942, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 8/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1363 - accuracy: 0.9591 - v
al_loss: 0.0805 - val_accuracy: 0.9766

Epoch 00008: val_accuracy did not improve from 0.97942
Epoch 9/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1118 - accuracy: 0.9690 - v
al_loss: 0.0674 - val_accuracy: 0.9822

Epoch 00009: val_accuracy improved from 0.97942 to 0.98223, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 10/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0982 - accuracy: 0.9693 - v
al_loss: 0.0557 - val_accuracy: 0.9860

Epoch 00010: val_accuracy improved from 0.98223 to 0.98597, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 11/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0894 - accuracy: 0.9728 - v
al_loss: 0.0511 - val_accuracy: 0.9860

Epoch 00011: val_accuracy did not improve from 0.98597
Epoch 12/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0609 - accuracy: 0.9859 - v
al_loss: 0.0492 - val_accuracy: 0.9860

Epoch 00012: val_accuracy did not improve from 0.98597
Epoch 13/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0499 - accuracy: 0.9873 - v
al_loss: 0.0465 - val_accuracy: 0.9878

Epoch 00013: val_accuracy improved from 0.98597 to 0.98784, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 14/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0558 - accuracy: 0.9834 - v
al_loss: 0.0459 - val_accuracy: 0.9850

Epoch 00014: val_accuracy did not improve from 0.98784
Epoch 15/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0435 - accuracy: 0.9896 - v
al_loss: 0.0359 - val_accuracy: 0.9897

Epoch 00015: val_accuracy improved from 0.98784 to 0.98971, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 16/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0486 - accuracy: 0.9824 - v
al_loss: 0.0405 - val_accuracy: 0.9850

Epoch 00016: val_accuracy did not improve from 0.98971
Epoch 17/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0413 - accuracy: 0.9867 - v
al_loss: 0.0368 - val_accuracy: 0.9916

Epoch 00017: val_accuracy improved from 0.98971 to 0.99158, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 18/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0340 - accuracy: 0.9927 - v
al_loss: 0.0356 - val_accuracy: 0.9888

Epoch 00018: val_accuracy did not improve from 0.99158
Epoch 19/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0354 - accuracy: 0.9909 - v
al_loss: 0.0397 - val_accuracy: 0.9888

Epoch 00019: val_accuracy did not improve from 0.99158
```

```
Epoch 20/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0310 - accuracy: 0.9916 - v
al_loss: 0.0314 - val_accuracy: 0.9916

Epoch 00020: val_accuracy did not improve from 0.99158
Epoch 21/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0274 - accuracy: 0.9931 - v
al_loss: 0.0333 - val_accuracy: 0.9897

Epoch 00021: val_accuracy did not improve from 0.99158
Epoch 22/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0291 - accuracy: 0.9902 - v
al_loss: 0.0325 - val_accuracy: 0.9916

Epoch 00022: val_accuracy did not improve from 0.99158
Epoch 23/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0293 - accuracy: 0.9904 - v
al_loss: 0.0319 - val_accuracy: 0.9906

Epoch 00023: val_accuracy did not improve from 0.99158
Epoch 24/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0247 - accuracy: 0.9938 - v
al_loss: 0.0305 - val_accuracy: 0.9925

Epoch 00024: val_accuracy improved from 0.99158 to 0.99252, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 25/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0205 - accuracy: 0.9954 - v
al_loss: 0.0344 - val_accuracy: 0.9925

Epoch 00025: val_accuracy did not improve from 0.99252
Epoch 26/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0235 - accuracy: 0.9952 - v
al_loss: 0.0328 - val_accuracy: 0.9906

Epoch 00026: val_accuracy did not improve from 0.99252
Epoch 27/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0196 - accuracy: 0.9954 - v
al_loss: 0.0294 - val_accuracy: 0.9925

Epoch 00027: val_accuracy did not improve from 0.99252
Epoch 28/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0211 - accuracy: 0.9934 - v
al_loss: 0.0301 - val_accuracy: 0.9925

Epoch 00028: val_accuracy did not improve from 0.99252
Epoch 29/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0188 - accuracy: 0.9952 - v
al_loss: 0.0296 - val_accuracy: 0.9925

Epoch 00029: val_accuracy did not improve from 0.99252
Epoch 30/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0144 - accuracy: 0.9962 - v
al_loss: 0.0262 - val_accuracy: 0.9935

Epoch 00030: val_accuracy improved from 0.99252 to 0.99345, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 31/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0151 - accuracy: 0.9952 - v
al_loss: 0.0301 - val_accuracy: 0.9953

Epoch 00031: val_accuracy improved from 0.99345 to 0.99532, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 32/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0170 - accuracy: 0.9947 - v
al_loss: 0.0292 - val_accuracy: 0.9925

Epoch 00032: val_accuracy did not improve from 0.99532
Epoch 33/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0174 - accuracy: 0.9954 - v
```

```
al_loss: 0.0246 - val_accuracy: 0.9953

Epoch 00033: val_accuracy did not improve from 0.99532
Epoch 34/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0148 - accuracy: 0.9960 - v
al_loss: 0.0336 - val_accuracy: 0.9897

Epoch 00034: val_accuracy did not improve from 0.99532
Epoch 35/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0154 - accuracy: 0.9969 - v
al_loss: 0.0310 - val_accuracy: 0.9935

Epoch 00035: val_accuracy did not improve from 0.99532
Epoch 36/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0133 - accuracy: 0.9973 - v
al_loss: 0.0348 - val_accuracy: 0.9897

Epoch 00036: val_accuracy did not improve from 0.99532
Epoch 37/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0124 - accuracy: 0.9963 - v
al_loss: 0.0316 - val_accuracy: 0.9925

Epoch 00037: val_accuracy did not improve from 0.99532
Epoch 38/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0132 - accuracy: 0.9959 - v
al_loss: 0.0233 - val_accuracy: 0.9944

Epoch 00038: val_accuracy did not improve from 0.99532
Epoch 39/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0161 - accuracy: 0.9947 - v
al_loss: 0.0311 - val_accuracy: 0.9906

Epoch 00039: val_accuracy did not improve from 0.99532
Epoch 40/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0116 - accuracy: 0.9977 - v
al_loss: 0.0300 - val_accuracy: 0.9897

Epoch 00040: val_accuracy did not improve from 0.99532
Epoch 41/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0112 - accuracy: 0.9965 - v
al_loss: 0.0268 - val_accuracy: 0.9916

Epoch 00041: val_accuracy did not improve from 0.99532
Epoch 42/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0213 - accuracy: 0.9921 - v
al_loss: 0.0256 - val_accuracy: 0.9944

Epoch 00042: val_accuracy did not improve from 0.99532
Epoch 43/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0109 - accuracy: 0.9969 - v
al_loss: 0.0305 - val_accuracy: 0.9925

Epoch 00043: val_accuracy did not improve from 0.99532
Epoch 44/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0096 - accuracy: 0.9986 - v
al_loss: 0.0275 - val_accuracy: 0.9916

Epoch 00044: val_accuracy did not improve from 0.99532
Epoch 45/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0170 - accuracy: 0.9935 - v
al_loss: 0.0327 - val_accuracy: 0.9925

Epoch 00045: val_accuracy did not improve from 0.99532
Epoch 46/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0104 - accuracy: 0.9967 - v
al_loss: 0.0331 - val_accuracy: 0.9906

Epoch 00046: val_accuracy did not improve from 0.99532
Epoch 47/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0110 - accuracy: 0.9965 - v
```

```
al_loss: 0.0330 - val_accuracy: 0.9916

Epoch 00047: val_accuracy did not improve from 0.99532
Epoch 48/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0089 - accuracy: 0.9967 - v
al_loss: 0.0387 - val_accuracy: 0.9906

Epoch 00048: val_accuracy did not improve from 0.99532
Epoch 49/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0165 - accuracy: 0.9964 - v
al_loss: 0.0346 - val_accuracy: 0.9935

Epoch 00049: val_accuracy did not improve from 0.99532
Epoch 50/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0091 - accuracy: 0.9975 - v
al_loss: 0.0334 - val_accuracy: 0.9935

Epoch 00050: val_accuracy did not improve from 0.99532
Epoch 51/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0083 - accuracy: 0.9974 - v
al_loss: 0.0348 - val_accuracy: 0.9935

Epoch 00051: ReduceLROnPlateau reducing learning rate to 0.00010000000474974513.

Epoch 00051: val_accuracy did not improve from 0.99532
Epoch 52/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0108 - accuracy: 0.9970 - v
al_loss: 0.0316 - val_accuracy: 0.9925

Epoch 00052: val_accuracy did not improve from 0.99532
Epoch 53/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0104 - accuracy: 0.9979 - v
al_loss: 0.0306 - val_accuracy: 0.9935

Epoch 00053: val_accuracy did not improve from 0.99532
Epoch 54/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0071 - accuracy: 0.9984 - v
al_loss: 0.0310 - val_accuracy: 0.9916

Epoch 00054: val_accuracy did not improve from 0.99532
Epoch 55/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0080 - accuracy: 0.9984 - v
al_loss: 0.0312 - val_accuracy: 0.9925

Epoch 00055: val_accuracy did not improve from 0.99532
Epoch 56/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0089 - accuracy: 0.9971 - v
al_loss: 0.0309 - val_accuracy: 0.9935

Epoch 00056: val_accuracy did not improve from 0.99532
Epoch 57/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0097 - accuracy: 0.9953 - v
al_loss: 0.0322 - val_accuracy: 0.9925

Epoch 00057: val_accuracy did not improve from 0.99532
Epoch 58/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0078 - accuracy: 0.9979 - v
al_loss: 0.0301 - val_accuracy: 0.9935

Epoch 00058: val_accuracy did not improve from 0.99532
Epoch 00058: early stopping
INFO:tensorflow:Assets written to: saved_models/MLP_99.6_accuracy/assets
y_test
 [0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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mlp_pred

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```

Training model and cross validate using fold #2...

Model: "sequential_6"

Layer (type)	Output Shape	Param #
flatten_6 (Flatten)	(None, 426)	0
dense_18 (Dense)	(None, 64)	27328
dropout_6 (Dropout)	(None, 64)	0
dense_19 (Dense)	(None, 16)	1040
dense_20 (Dense)	(None, 8)	136

```
Total params: 28,504
Trainable params: 28,504
Non-trainable params: 0
_________________________________________________________________
None
Epoch 1/200
67/67 [==============================] - 0s 3ms/step - loss: 2.0175 - accuracy: 0.2230 - v
al_loss: 1.4910 - val_accuracy: 0.4659

Epoch 00001: val_accuracy improved from -inf to 0.46586, saving model to MLP_weights_check
point.hdf5
Epoch 2/200
67/67 [==============================] - 0s 1ms/step - loss: 1.3204 - accuracy: 0.4828 - v
al_loss: 0.7865 - val_accuracy: 0.7484

Epoch 00002: val_accuracy improved from 0.46586 to 0.74836, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 3/200
67/67 [==============================] - 0s 2ms/step - loss: 0.7218 - accuracy: 0.7494 - v
al_loss: 0.4006 - val_accuracy: 0.9308

Epoch 00003: val_accuracy improved from 0.74836 to 0.93078, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 4/200
67/67 [==============================] - 0s 2ms/step - loss: 0.4133 - accuracy: 0.8829 - v
al_loss: 0.2071 - val_accuracy: 0.9673

Epoch 00004: val_accuracy improved from 0.93078 to 0.96726, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 5/200
67/67 [==============================] - 0s 2ms/step - loss: 0.2398 - accuracy: 0.9402 - v
al_loss: 0.1352 - val_accuracy: 0.9729

Epoch 00005: val_accuracy improved from 0.96726 to 0.97287, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 6/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1865 - accuracy: 0.9450 - v
al_loss: 0.0888 - val_accuracy: 0.9897

Epoch 00006: val_accuracy improved from 0.97287 to 0.98971, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 7/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1238 - accuracy: 0.9678 - v
al_loss: 0.0704 - val_accuracy: 0.9832

Epoch 00007: val_accuracy did not improve from 0.98971
Epoch 8/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1016 - accuracy: 0.9729 - v
al_loss: 0.0580 - val_accuracy: 0.9878

Epoch 00008: val_accuracy did not improve from 0.98971
Epoch 9/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0894 - accuracy: 0.9775 - v
al_loss: 0.0504 - val_accuracy: 0.9906

Epoch 00009: val_accuracy improved from 0.98971 to 0.99065, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 10/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0727 - accuracy: 0.9776 - v
al_loss: 0.0444 - val_accuracy: 0.9888

Epoch 00010: val_accuracy did not improve from 0.99065
Epoch 11/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0626 - accuracy: 0.9841 - v
al_loss: 0.0404 - val_accuracy: 0.9897

Epoch 00011: val_accuracy did not improve from 0.99065
Epoch 12/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0580 - accuracy: 0.9852 - v
al_loss: 0.0368 - val_accuracy: 0.9916
```

```
Epoch 00012: val_accuracy improved from 0.99065 to 0.99158, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 13/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0558 - accuracy: 0.9840 - v
al_loss: 0.0295 - val_accuracy: 0.9935

Epoch 00013: val_accuracy improved from 0.99158 to 0.99345, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 14/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0533 - accuracy: 0.9849 - v
al_loss: 0.0318 - val_accuracy: 0.9935

Epoch 00014: val_accuracy did not improve from 0.99345
Epoch 15/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0403 - accuracy: 0.9881 - v
al_loss: 0.0285 - val_accuracy: 0.9963

Epoch 00015: val_accuracy improved from 0.99345 to 0.99626, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 16/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0333 - accuracy: 0.9921 - v
al_loss: 0.0270 - val_accuracy: 0.9935

Epoch 00016: val_accuracy did not improve from 0.99626
Epoch 17/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0361 - accuracy: 0.9908 - v
al_loss: 0.0284 - val_accuracy: 0.9897

Epoch 00017: val_accuracy did not improve from 0.99626
Epoch 18/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0342 - accuracy: 0.9914 - v
al_loss: 0.0208 - val_accuracy: 0.9944

Epoch 00018: val_accuracy did not improve from 0.99626
Epoch 19/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0330 - accuracy: 0.9901 - v
al_loss: 0.0227 - val_accuracy: 0.9925

Epoch 00019: val_accuracy did not improve from 0.99626
Epoch 20/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0312 - accuracy: 0.9896 - v
al_loss: 0.0204 - val_accuracy: 0.9963

Epoch 00020: val_accuracy did not improve from 0.99626
Epoch 21/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0290 - accuracy: 0.9926 - v
al_loss: 0.0240 - val_accuracy: 0.9935

Epoch 00021: val_accuracy did not improve from 0.99626
Epoch 22/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0215 - accuracy: 0.9959 - v
al_loss: 0.0209 - val_accuracy: 0.9953

Epoch 00022: val_accuracy did not improve from 0.99626
Epoch 23/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0209 - accuracy: 0.9948 - v
al_loss: 0.0214 - val_accuracy: 0.9944

Epoch 00023: val_accuracy did not improve from 0.99626
Epoch 24/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0186 - accuracy: 0.9952 - v
al_loss: 0.0183 - val_accuracy: 0.9935

Epoch 00024: val_accuracy did not improve from 0.99626
Epoch 25/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0238 - accuracy: 0.9937 - v
al_loss: 0.0131 - val_accuracy: 0.9981

Epoch 00025: val_accuracy improved from 0.99626 to 0.99813, saving model to MLP_weights_ch
```

```
eckpoint.hdf5
Epoch 26/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0176 - accuracy: 0.9960 - v
al_loss: 0.0206 - val_accuracy: 0.9916

Epoch 00026: val_accuracy did not improve from 0.99813
Epoch 27/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0235 - accuracy: 0.9924 - v
al_loss: 0.0171 - val_accuracy: 0.9953

Epoch 00027: val_accuracy did not improve from 0.99813
Epoch 28/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0203 - accuracy: 0.9934 - v
al_loss: 0.0226 - val_accuracy: 0.9916

Epoch 00028: val_accuracy did not improve from 0.99813
Epoch 29/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0178 - accuracy: 0.9956 - v
al_loss: 0.0187 - val_accuracy: 0.9935

Epoch 00029: val_accuracy did not improve from 0.99813
Epoch 30/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0197 - accuracy: 0.9929 - v
al_loss: 0.0175 - val_accuracy: 0.9935

Epoch 00030: val_accuracy did not improve from 0.99813
Epoch 31/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0171 - accuracy: 0.9959 - v
al_loss: 0.0139 - val_accuracy: 0.9963

Epoch 00031: val_accuracy did not improve from 0.99813
Epoch 32/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0165 - accuracy: 0.9965 - v
al_loss: 0.0173 - val_accuracy: 0.9953

Epoch 00032: val_accuracy did not improve from 0.99813
Epoch 33/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0171 - accuracy: 0.9939 - v
al_loss: 0.0162 - val_accuracy: 0.9916

Epoch 00033: val_accuracy did not improve from 0.99813
Epoch 34/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0117 - accuracy: 0.9974 - v
al_loss: 0.0168 - val_accuracy: 0.9935

Epoch 00034: val_accuracy did not improve from 0.99813
Epoch 35/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0175 - accuracy: 0.9945 - v
al_loss: 0.0205 - val_accuracy: 0.9925

Epoch 00035: val_accuracy did not improve from 0.99813
Epoch 36/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0167 - accuracy: 0.9940 - v
al_loss: 0.0203 - val_accuracy: 0.9906

Epoch 00036: val_accuracy did not improve from 0.99813
Epoch 37/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0103 - accuracy: 0.9980 - v
al_loss: 0.0163 - val_accuracy: 0.9963

Epoch 00037: val_accuracy did not improve from 0.99813
Epoch 38/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0122 - accuracy: 0.9963 - v
al_loss: 0.0142 - val_accuracy: 0.9935

Epoch 00038: val_accuracy did not improve from 0.99813
Epoch 39/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0133 - accuracy: 0.9970 - v
al_loss: 0.0184 - val_accuracy: 0.9944
```

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Epoch 00039: val_accuracy did not improve from 0.99813
Epoch 40/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0132 - accuracy: 0.9949 - v
al_loss: 0.0181 - val_accuracy: 0.9906

Epoch 00040: val_accuracy did not improve from 0.99813
Epoch 41/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0113 - accuracy: 0.9976 - v
al_loss: 0.0154 - val_accuracy: 0.9953

Epoch 00041: val_accuracy did not improve from 0.99813
Epoch 42/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0127 - accuracy: 0.9967 - v
al_loss: 0.0147 - val_accuracy: 0.9935

Epoch 00042: val_accuracy did not improve from 0.99813
Epoch 43/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0126 - accuracy: 0.9968 - v
al_loss: 0.0163 - val_accuracy: 0.9935

Epoch 00043: val_accuracy did not improve from 0.99813
Epoch 44/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0109 - accuracy: 0.9973 - v
al_loss: 0.0191 - val_accuracy: 0.9916

Epoch 00044: val_accuracy did not improve from 0.99813
Epoch 45/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0189 - accuracy: 0.9935 - v
al_loss: 0.0148 - val_accuracy: 0.9944

Epoch 00045: ReduceLROnPlateau reducing learning rate to 0.00010000000474974513.

Epoch 00045: val_accuracy did not improve from 0.99813
Epoch 00045: early stopping
INFO:tensorflow:Assets written to: saved_models/MLP_99.6_accuracy/assets
y_test
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Training model and cross validate using fold #3...

Model: "sequential_7"
_________________________________________________________________
Layer (type)                 Output Shape              Param #
=================================================================
flatten_7 (Flatten)          (None, 426)               0
_________________________________________________________________
dense_21 (Dense)             (None, 64)                27328
_________________________________________________________________
dropout_7 (Dropout)          (None, 64)                0
_________________________________________________________________
dense_22 (Dense)             (None, 16)                1040
_________________________________________________________________
dense_23 (Dense)             (None, 8)                 136
=================================================================
Total params: 28,504
Trainable params: 28,504
Non-trainable params: 0
_________________________________________________________________
None
Epoch 1/200
67/67 [==============================] - 0s 3ms/step - loss: 2.0411 - accuracy: 0.2251 - v
al_loss: 1.6785 - val_accuracy: 0.2367

Epoch 00001: val_accuracy improved from -inf to 0.23667, saving model to MLP_weights_check
point.hdf5
Epoch 2/200
67/67 [==============================] - 0s 2ms/step - loss: 1.4548 - accuracy: 0.4024 - v
al_loss: 0.7502 - val_accuracy: 0.7989

Epoch 00002: val_accuracy improved from 0.23667 to 0.79888, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 3/200
67/67 [==============================] - 0s 1ms/step - loss: 0.6544 - accuracy: 0.8036 - v
al_loss: 0.3282 - val_accuracy: 0.9364

Epoch 00003: val_accuracy improved from 0.79888 to 0.93639, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 4/200
67/67 [==============================] - 0s 2ms/step - loss: 0.3337 - accuracy: 0.9074 - v
al_loss: 0.1889 - val_accuracy: 0.9588
```

```
Epoch 00004: val_accuracy improved from 0.93639 to 0.95884, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 5/200
67/67 [==============================] - 0s 2ms/step - loss: 0.2223 - accuracy: 0.9357 - v
al_loss: 0.1359 - val_accuracy: 0.9673

Epoch 00005: val_accuracy improved from 0.95884 to 0.96726, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 6/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1772 - accuracy: 0.9441 - v
al_loss: 0.1093 - val_accuracy: 0.9710

Epoch 00006: val_accuracy improved from 0.96726 to 0.97100, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 7/200
67/67 [==============================] - 0s 1ms/step - loss: 0.1481 - accuracy: 0.9565 - v
al_loss: 0.0790 - val_accuracy: 0.9813

Epoch 00007: val_accuracy improved from 0.97100 to 0.98129, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 8/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1066 - accuracy: 0.9721 - v
al_loss: 0.0628 - val_accuracy: 0.9878

Epoch 00008: val_accuracy improved from 0.98129 to 0.98784, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 9/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0937 - accuracy: 0.9698 - v
al_loss: 0.0544 - val_accuracy: 0.9906

Epoch 00009: val_accuracy improved from 0.98784 to 0.99065, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 10/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0803 - accuracy: 0.9770 - v
al_loss: 0.0477 - val_accuracy: 0.9916

Epoch 00010: val_accuracy improved from 0.99065 to 0.99158, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 11/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0748 - accuracy: 0.9774 - v
al_loss: 0.0393 - val_accuracy: 0.9916

Epoch 00011: val_accuracy did not improve from 0.99158
Epoch 12/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0689 - accuracy: 0.9778 - v
al_loss: 0.0358 - val_accuracy: 0.9944

Epoch 00012: val_accuracy improved from 0.99158 to 0.99439, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 13/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0502 - accuracy: 0.9839 - v
al_loss: 0.0299 - val_accuracy: 0.9953

Epoch 00013: val_accuracy improved from 0.99439 to 0.99532, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 14/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0472 - accuracy: 0.9868 - v
al_loss: 0.0273 - val_accuracy: 0.9944

Epoch 00014: val_accuracy did not improve from 0.99532
Epoch 15/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0398 - accuracy: 0.9896 - v
al_loss: 0.0266 - val_accuracy: 0.9944

Epoch 00015: val_accuracy did not improve from 0.99532
Epoch 16/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0367 - accuracy: 0.9913 - v
al_loss: 0.0257 - val_accuracy: 0.9963

Epoch 00016: val_accuracy improved from 0.99532 to 0.99626, saving model to MLP_weights_ch
```

```
eckpoint.hdf5
Epoch 17/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0357 - accuracy: 0.9919 - v
al_loss: 0.0210 - val_accuracy: 0.9981

Epoch 00017: val_accuracy improved from 0.99626 to 0.99813, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 18/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0341 - accuracy: 0.9912 - v
al_loss: 0.0206 - val_accuracy: 0.9963

Epoch 00018: val_accuracy did not improve from 0.99813
Epoch 19/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0282 - accuracy: 0.9923 - v
al_loss: 0.0201 - val_accuracy: 0.9944

Epoch 00019: val_accuracy did not improve from 0.99813
Epoch 20/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0270 - accuracy: 0.9942 - v
al_loss: 0.0226 - val_accuracy: 0.9906

Epoch 00020: val_accuracy did not improve from 0.99813
Epoch 21/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0248 - accuracy: 0.9930 - v
al_loss: 0.0206 - val_accuracy: 0.9944

Epoch 00021: val_accuracy did not improve from 0.99813
Epoch 22/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0267 - accuracy: 0.9911 - v
al_loss: 0.0208 - val_accuracy: 0.9953

Epoch 00022: val_accuracy did not improve from 0.99813
Epoch 23/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0259 - accuracy: 0.9919 - v
al_loss: 0.0171 - val_accuracy: 0.9963

Epoch 00023: val_accuracy did not improve from 0.99813
Epoch 24/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0218 - accuracy: 0.9929 - v
al_loss: 0.0161 - val_accuracy: 0.9963

Epoch 00024: val_accuracy did not improve from 0.99813
Epoch 25/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0176 - accuracy: 0.9966 - v
al_loss: 0.0147 - val_accuracy: 0.9972

Epoch 00025: val_accuracy did not improve from 0.99813
Epoch 26/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0193 - accuracy: 0.9956 - v
al_loss: 0.0145 - val_accuracy: 0.9981

Epoch 00026: val_accuracy did not improve from 0.99813
Epoch 27/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0230 - accuracy: 0.9922 - v
al_loss: 0.0174 - val_accuracy: 0.9963

Epoch 00027: val_accuracy did not improve from 0.99813
Epoch 28/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0216 - accuracy: 0.9926 - v
al_loss: 0.0152 - val_accuracy: 0.9972

Epoch 00028: val_accuracy did not improve from 0.99813
Epoch 29/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0205 - accuracy: 0.9940 - v
al_loss: 0.0152 - val_accuracy: 0.9972

Epoch 00029: val_accuracy did not improve from 0.99813
Epoch 30/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0201 - accuracy: 0.9952 - v
al_loss: 0.0148 - val_accuracy: 0.9963
```

```
Epoch 00030: val_accuracy did not improve from 0.99813
Epoch 31/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0241 - accuracy: 0.9939 - v
al_loss: 0.0127 - val_accuracy: 0.9963

Epoch 00031: val_accuracy did not improve from 0.99813
Epoch 32/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0262 - accuracy: 0.9923 - v
al_loss: 0.0107 - val_accuracy: 0.9991

Epoch 00032: val_accuracy improved from 0.99813 to 0.99906, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 33/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0163 - accuracy: 0.9954 - v
al_loss: 0.0090 - val_accuracy: 0.9991

Epoch 00033: val_accuracy did not improve from 0.99906
Epoch 34/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0194 - accuracy: 0.9927 - v
al_loss: 0.0079 - val_accuracy: 0.9991

Epoch 00034: val_accuracy did not improve from 0.99906
Epoch 35/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0152 - accuracy: 0.9953 - v
al_loss: 0.0095 - val_accuracy: 0.9972

Epoch 00035: val_accuracy did not improve from 0.99906
Epoch 36/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0134 - accuracy: 0.9965 - v
al_loss: 0.0128 - val_accuracy: 0.9991

Epoch 00036: val_accuracy did not improve from 0.99906
Epoch 37/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0141 - accuracy: 0.9973 - v
al_loss: 0.0101 - val_accuracy: 0.9981

Epoch 00037: val_accuracy did not improve from 0.99906
Epoch 38/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0108 - accuracy: 0.9978 - v
al_loss: 0.0091 - val_accuracy: 0.9981

Epoch 00038: val_accuracy did not improve from 0.99906
Epoch 39/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0140 - accuracy: 0.9962 - v
al_loss: 0.0151 - val_accuracy: 0.9944

Epoch 00039: val_accuracy did not improve from 0.99906
Epoch 40/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0187 - accuracy: 0.9943 - v
al_loss: 0.0082 - val_accuracy: 0.9991

Epoch 00040: val_accuracy did not improve from 0.99906
Epoch 41/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0175 - accuracy: 0.9954 - v
al_loss: 0.0093 - val_accuracy: 0.9972

Epoch 00041: val_accuracy did not improve from 0.99906
Epoch 42/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0164 - accuracy: 0.9957 - v
al_loss: 0.0134 - val_accuracy: 0.9981

Epoch 00042: val_accuracy did not improve from 0.99906
Epoch 43/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0227 - accuracy: 0.9943 - v
al_loss: 0.0127 - val_accuracy: 0.9981

Epoch 00043: val_accuracy did not improve from 0.99906
Epoch 44/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0110 - accuracy: 0.9968 - v
```

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al_loss: 0.0102 - val_accuracy: 0.9981

Epoch 00044: val_accuracy did not improve from 0.99906
Epoch 45/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0118 - accuracy: 0.9966 - v
al_loss: 0.0118 - val_accuracy: 0.9963

Epoch 00045: val_accuracy did not improve from 0.99906
Epoch 46/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0132 - accuracy: 0.9963 - v
al_loss: 0.0078 - val_accuracy: 0.9991

Epoch 00046: val_accuracy did not improve from 0.99906
Epoch 47/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0111 - accuracy: 0.9965 - v
al_loss: 0.0103 - val_accuracy: 0.9991

Epoch 00047: val_accuracy did not improve from 0.99906
Epoch 48/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0097 - accuracy: 0.9977 - v
al_loss: 0.0076 - val_accuracy: 0.9981

Epoch 00048: val_accuracy did not improve from 0.99906
Epoch 49/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0074 - accuracy: 0.9976 - v
al_loss: 0.0094 - val_accuracy: 0.9981

Epoch 00049: val_accuracy did not improve from 0.99906
Epoch 50/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0097 - accuracy: 0.9976 - v
al_loss: 0.0143 - val_accuracy: 0.9963

Epoch 00050: val_accuracy did not improve from 0.99906
Epoch 51/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0138 - accuracy: 0.9965 - v
al_loss: 0.0076 - val_accuracy: 0.9981

Epoch 00051: val_accuracy did not improve from 0.99906
Epoch 52/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0068 - accuracy: 0.9981 - v
al_loss: 0.0085 - val_accuracy: 0.9972

Epoch 00052: ReduceLROnPlateau reducing learning rate to 0.00010000000474974513.

Epoch 00052: val_accuracy did not improve from 0.99906
Epoch 53/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0115 - accuracy: 0.9960 - v
al_loss: 0.0072 - val_accuracy: 0.9981

Epoch 00053: val_accuracy did not improve from 0.99906
Epoch 54/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0133 - accuracy: 0.9962 - v
al_loss: 0.0065 - val_accuracy: 0.9981

Epoch 00054: val_accuracy did not improve from 0.99906
Epoch 55/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0104 - accuracy: 0.9973 - v
al_loss: 0.0068 - val_accuracy: 0.9981

Epoch 00055: val_accuracy did not improve from 0.99906
Epoch 56/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0102 - accuracy: 0.9973 - v
al_loss: 0.0066 - val_accuracy: 0.9981

Epoch 00056: val_accuracy did not improve from 0.99906
Epoch 57/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0108 - accuracy: 0.9971 - v
al_loss: 0.0066 - val_accuracy: 0.9981

Epoch 00057: val_accuracy did not improve from 0.99906
```

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Epoch 58/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0084 - accuracy: 0.9977 - v
al_loss: 0.0065 - val_accuracy: 0.9981

Epoch 00058: val_accuracy did not improve from 0.99906
Epoch 59/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0039 - accuracy: 0.9996 - v
al_loss: 0.0064 - val_accuracy: 0.9981

Epoch 00059: val_accuracy did not improve from 0.99906
Epoch 60/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0073 - accuracy: 0.9972 - v
al_loss: 0.0062 - val_accuracy: 0.9981

Epoch 00060: val_accuracy did not improve from 0.99906
Epoch 61/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0069 - accuracy: 0.9985 - v
al_loss: 0.0063 - val_accuracy: 0.9991

Epoch 00061: val_accuracy did not improve from 0.99906
Epoch 62/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0070 - accuracy: 0.9981 - v
al_loss: 0.0062 - val_accuracy: 0.9991

Epoch 00062: val_accuracy did not improve from 0.99906
Epoch 63/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0091 - accuracy: 0.9973 - v
al_loss: 0.0063 - val_accuracy: 0.9991

Epoch 00063: val_accuracy did not improve from 0.99906
Epoch 64/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0094 - accuracy: 0.9976 - v
al_loss: 0.0063 - val_accuracy: 0.9991

Epoch 00064: val_accuracy did not improve from 0.99906
Epoch 65/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0094 - accuracy: 0.9967 - v
al_loss: 0.0063 - val_accuracy: 0.9991

Epoch 00065: val_accuracy did not improve from 0.99906
Epoch 66/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0066 - accuracy: 0.9987 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00066: val_accuracy did not improve from 0.99906
Epoch 67/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0053 - accuracy: 0.9991 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00067: val_accuracy did not improve from 0.99906
Epoch 68/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0057 - accuracy: 0.9983 - v
al_loss: 0.0062 - val_accuracy: 0.9991

Epoch 00068: val_accuracy did not improve from 0.99906
Epoch 69/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0098 - accuracy: 0.9977 - v
al_loss: 0.0063 - val_accuracy: 0.9991

Epoch 00069: val_accuracy did not improve from 0.99906
Epoch 70/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0054 - accuracy: 0.9986 - v
al_loss: 0.0061 - val_accuracy: 0.9991

Epoch 00070: val_accuracy did not improve from 0.99906
Epoch 71/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0083 - accuracy: 0.9975 - v
al_loss: 0.0062 - val_accuracy: 0.9991

Epoch 00071: val_accuracy did not improve from 0.99906
```

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Epoch 72/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0083 - accuracy: 0.9979 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00072: ReduceLROnPlateau reducing learning rate to 1.0000000474974514e-05.

Epoch 00072: val_accuracy did not improve from 0.99906
Epoch 73/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0056 - accuracy: 0.9992 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00073: val_accuracy did not improve from 0.99906
Epoch 74/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0112 - accuracy: 0.9972 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00074: val_accuracy did not improve from 0.99906
Epoch 75/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0085 - accuracy: 0.9969 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00075: val_accuracy did not improve from 0.99906
Epoch 76/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0073 - accuracy: 0.9979 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00076: val_accuracy did not improve from 0.99906
Epoch 77/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0089 - accuracy: 0.9978 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00077: val_accuracy did not improve from 0.99906
Epoch 78/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0066 - accuracy: 0.9983 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00078: val_accuracy did not improve from 0.99906
Epoch 79/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0051 - accuracy: 0.9991 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00079: val_accuracy did not improve from 0.99906
Epoch 80/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0079 - accuracy: 0.9974 - v
al_loss: 0.0061 - val_accuracy: 0.9991

Epoch 00080: val_accuracy did not improve from 0.99906
Epoch 81/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0064 - accuracy: 0.9979 - v
al_loss: 0.0061 - val_accuracy: 0.9991

Epoch 00081: val_accuracy did not improve from 0.99906
Epoch 82/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0057 - accuracy: 0.9991 - v
al_loss: 0.0061 - val_accuracy: 0.9991

Epoch 00082: val_accuracy did not improve from 0.99906
Epoch 83/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0056 - accuracy: 0.9991 - v
al_loss: 0.0061 - val_accuracy: 0.9991

Epoch 00083: val_accuracy did not improve from 0.99906
Epoch 84/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0067 - accuracy: 0.9988 - v
al_loss: 0.0061 - val_accuracy: 0.9991

Epoch 00084: val_accuracy did not improve from 0.99906
Epoch 85/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0050 - accuracy: 0.9994 - v
al_loss: 0.0060 - val_accuracy: 0.9991
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Epoch 00085: val_accuracy did not improve from 0.99906
Epoch 86/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0050 - accuracy: 0.9996 - v
al_loss: 0.0061 - val_accuracy: 0.9991

Epoch 00086: val_accuracy did not improve from 0.99906
Epoch 87/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0070 - accuracy: 0.9987 - v
al_loss: 0.0061 - val_accuracy: 0.9991

Epoch 00087: val_accuracy did not improve from 0.99906
Epoch 88/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0075 - accuracy: 0.9985 - v
al_loss: 0.0061 - val_accuracy: 0.9991

Epoch 00088: val_accuracy did not improve from 0.99906
Epoch 89/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0058 - accuracy: 0.9991 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00089: val_accuracy did not improve from 0.99906
Epoch 90/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0083 - accuracy: 0.9982 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00090: val_accuracy did not improve from 0.99906
Epoch 91/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0070 - accuracy: 0.9974 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00091: val_accuracy did not improve from 0.99906
Epoch 92/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0049 - accuracy: 0.9990 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00092: ReduceLROnPlateau reducing learning rate to 1.0000000656873453e-06.

Epoch 00092: val_accuracy did not improve from 0.99906
Epoch 93/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0048 - accuracy: 0.9995 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00093: val_accuracy did not improve from 0.99906
Epoch 94/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0062 - accuracy: 0.9983 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00094: val_accuracy did not improve from 0.99906
Epoch 95/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0070 - accuracy: 0.9979 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00095: val_accuracy did not improve from 0.99906
Epoch 96/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0067 - accuracy: 0.9991 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00096: val_accuracy did not improve from 0.99906
Epoch 97/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0056 - accuracy: 0.9983 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00097: val_accuracy did not improve from 0.99906
Epoch 98/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0083 - accuracy: 0.9984 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00098: val_accuracy did not improve from 0.99906
Epoch 99/200
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67/67 [==============================] - 0s 2ms/step - loss: 0.0046 - accuracy: 0.9992 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00099: val_accuracy did not improve from 0.99906
Epoch 100/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0097 - accuracy: 0.9968 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00100: val_accuracy did not improve from 0.99906
Epoch 101/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0068 - accuracy: 0.9972 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00101: val_accuracy did not improve from 0.99906
Epoch 102/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0056 - accuracy: 0.9993 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00102: val_accuracy did not improve from 0.99906
Epoch 103/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0066 - accuracy: 0.9984 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00103: val_accuracy did not improve from 0.99906
Epoch 104/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0056 - accuracy: 0.9995 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00104: val_accuracy did not improve from 0.99906
Epoch 105/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0057 - accuracy: 0.9991 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00105: val_accuracy did not improve from 0.99906
Epoch 106/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0066 - accuracy: 0.9980 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00106: val_accuracy did not improve from 0.99906
Epoch 107/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0049 - accuracy: 0.9995 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00107: val_accuracy did not improve from 0.99906
Epoch 108/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0054 - accuracy: 0.9988 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00108: val_accuracy did not improve from 0.99906
Epoch 109/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0071 - accuracy: 0.9977 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00109: val_accuracy did not improve from 0.99906
Epoch 110/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0094 - accuracy: 0.9959 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00110: val_accuracy did not improve from 0.99906
Epoch 111/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0069 - accuracy: 0.9974 - v
al_loss: 0.0060 - val_accuracy: 0.9991

Epoch 00111: val_accuracy did not improve from 0.99906
Epoch 00111: early stopping
INFO:tensorflow:Assets written to: saved_models/MLP_99.6_accuracy/assets
y_test
 [0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
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mlp_pred

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```

Training model and cross validate using fold #4...

Model: "sequential_8"

Layer (type)	Output Shape	Param #
flatten_8 (Flatten)	(None, 426)	0
dense_24 (Dense)	(None, 64)	27328
dropout_8 (Dropout)	(None, 64)	0

```
dense_25 (Dense)             (None, 16)                1040
_________________________________________________________________
dense_26 (Dense)             (None, 8)                 136
=================================================================
Total params: 28,504
Trainable params: 28,504
Non-trainable params: 0
_________________________________________________________________
None
Epoch 1/200
67/67 [==============================] - 1s 3ms/step - loss: 2.0370 - accuracy: 0.2289 - v
al_loss: 1.5891 - val_accuracy: 0.3343

Epoch 00001: val_accuracy improved from -inf to 0.33427, saving model to MLP_weights_check
point.hdf5
Epoch 2/200
67/67 [==============================] - 0s 2ms/step - loss: 1.4063 - accuracy: 0.4061 - v
al_loss: 0.9501 - val_accuracy: 0.6489

Epoch 00002: val_accuracy improved from 0.33427 to 0.64888, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 3/200
67/67 [==============================] - 0s 2ms/step - loss: 0.8322 - accuracy: 0.7079 - v
al_loss: 0.5050 - val_accuracy: 0.8549

Epoch 00003: val_accuracy improved from 0.64888 to 0.85487, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 4/200
67/67 [==============================] - 0s 1ms/step - loss: 0.5051 - accuracy: 0.8357 - v
al_loss: 0.3190 - val_accuracy: 0.9195

Epoch 00004: val_accuracy improved from 0.85487 to 0.91948, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 5/200
67/67 [==============================] - 0s 1ms/step - loss: 0.3221 - accuracy: 0.9051 - v
al_loss: 0.2177 - val_accuracy: 0.9466

Epoch 00005: val_accuracy improved from 0.91948 to 0.94663, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 6/200
67/67 [==============================] - 0s 1ms/step - loss: 0.2383 - accuracy: 0.9278 - v
al_loss: 0.1474 - val_accuracy: 0.9719

Epoch 00006: val_accuracy improved from 0.94663 to 0.97191, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 7/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1843 - accuracy: 0.9454 - v
al_loss: 0.1059 - val_accuracy: 0.9785

Epoch 00007: val_accuracy improved from 0.97191 to 0.97846, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 8/200
67/67 [==============================] - 0s 1ms/step - loss: 0.1328 - accuracy: 0.9619 - v
al_loss: 0.0857 - val_accuracy: 0.9822

Epoch 00008: val_accuracy improved from 0.97846 to 0.98221, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 9/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1074 - accuracy: 0.9721 - v
al_loss: 0.0659 - val_accuracy: 0.9841

Epoch 00009: val_accuracy improved from 0.98221 to 0.98408, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 10/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0870 - accuracy: 0.9773 - v
al_loss: 0.0505 - val_accuracy: 0.9925

Epoch 00010: val_accuracy improved from 0.98408 to 0.99251, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 11/200
```

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67/67 [==============================] - 0s 2ms/step - loss: 0.0839 - accuracy: 0.9778 - v
al_loss: 0.0475 - val_accuracy: 0.9878

Epoch 00011: val_accuracy did not improve from 0.99251
Epoch 12/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0665 - accuracy: 0.9841 - v
al_loss: 0.0405 - val_accuracy: 0.9916

Epoch 00012: val_accuracy did not improve from 0.99251
Epoch 13/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0583 - accuracy: 0.9859 - v
al_loss: 0.0370 - val_accuracy: 0.9934

Epoch 00013: val_accuracy improved from 0.99251 to 0.99345, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 14/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0577 - accuracy: 0.9836 - v
al_loss: 0.0363 - val_accuracy: 0.9906

Epoch 00014: val_accuracy did not improve from 0.99345
Epoch 15/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0420 - accuracy: 0.9900 - v
al_loss: 0.0325 - val_accuracy: 0.9934

Epoch 00015: val_accuracy did not improve from 0.99345
Epoch 16/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0424 - accuracy: 0.9893 - v
al_loss: 0.0262 - val_accuracy: 0.9944

Epoch 00016: val_accuracy improved from 0.99345 to 0.99438, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 17/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0333 - accuracy: 0.9924 - v
al_loss: 0.0269 - val_accuracy: 0.9972

Epoch 00017: val_accuracy improved from 0.99438 to 0.99719, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 18/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0408 - accuracy: 0.9899 - v
al_loss: 0.0270 - val_accuracy: 0.9934

Epoch 00018: val_accuracy did not improve from 0.99719
Epoch 19/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0305 - accuracy: 0.9939 - v
al_loss: 0.0267 - val_accuracy: 0.9925

Epoch 00019: val_accuracy did not improve from 0.99719
Epoch 20/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0355 - accuracy: 0.9928 - v
al_loss: 0.0216 - val_accuracy: 0.9963

Epoch 00020: val_accuracy did not improve from 0.99719
Epoch 21/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0357 - accuracy: 0.9898 - v
al_loss: 0.0208 - val_accuracy: 0.9953

Epoch 00021: val_accuracy did not improve from 0.99719
Epoch 22/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0274 - accuracy: 0.9935 - v
al_loss: 0.0211 - val_accuracy: 0.9953

Epoch 00022: val_accuracy did not improve from 0.99719
Epoch 23/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0306 - accuracy: 0.9914 - v
al_loss: 0.0230 - val_accuracy: 0.9953

Epoch 00023: val_accuracy did not improve from 0.99719
Epoch 24/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0326 - accuracy: 0.9896 - v
al_loss: 0.0222 - val_accuracy: 0.9963
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Epoch 00024: val_accuracy did not improve from 0.99719
Epoch 25/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0252 - accuracy: 0.9948 - v
al_loss: 0.0211 - val_accuracy: 0.9953

Epoch 00025: val_accuracy did not improve from 0.99719
Epoch 26/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0257 - accuracy: 0.9930 - v
al_loss: 0.0186 - val_accuracy: 0.9963

Epoch 00026: val_accuracy did not improve from 0.99719
Epoch 27/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0205 - accuracy: 0.9950 - v
al_loss: 0.0196 - val_accuracy: 0.9953

Epoch 00027: val_accuracy did not improve from 0.99719
Epoch 28/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0201 - accuracy: 0.9969 - v
al_loss: 0.0190 - val_accuracy: 0.9963

Epoch 00028: val_accuracy did not improve from 0.99719
Epoch 29/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0229 - accuracy: 0.9935 - v
al_loss: 0.0242 - val_accuracy: 0.9934

Epoch 00029: val_accuracy did not improve from 0.99719
Epoch 30/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0199 - accuracy: 0.9940 - v
al_loss: 0.0208 - val_accuracy: 0.9934

Epoch 00030: val_accuracy did not improve from 0.99719
Epoch 31/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0174 - accuracy: 0.9961 - v
al_loss: 0.0190 - val_accuracy: 0.9953

Epoch 00031: val_accuracy did not improve from 0.99719
Epoch 32/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0146 - accuracy: 0.9961 - v
al_loss: 0.0202 - val_accuracy: 0.9963

Epoch 00032: val_accuracy did not improve from 0.99719
Epoch 33/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0228 - accuracy: 0.9927 - v
al_loss: 0.0169 - val_accuracy: 0.9953

Epoch 00033: val_accuracy did not improve from 0.99719
Epoch 34/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0169 - accuracy: 0.9967 - v
al_loss: 0.0157 - val_accuracy: 0.9972

Epoch 00034: val_accuracy did not improve from 0.99719
Epoch 35/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0137 - accuracy: 0.9969 - v
al_loss: 0.0136 - val_accuracy: 0.9981

Epoch 00035: val_accuracy improved from 0.99719 to 0.99813, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 36/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0138 - accuracy: 0.9970 - v
al_loss: 0.0145 - val_accuracy: 0.9972

Epoch 00036: val_accuracy did not improve from 0.99813
Epoch 37/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0129 - accuracy: 0.9966 - v
al_loss: 0.0247 - val_accuracy: 0.9944

Epoch 00037: val_accuracy did not improve from 0.99813
Epoch 38/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0162 - accuracy: 0.9948 - v
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al_loss: 0.0183 - val_accuracy: 0.9944

Epoch 00038: val_accuracy did not improve from 0.99813
Epoch 39/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0125 - accuracy: 0.9966 - v
al_loss: 0.0186 - val_accuracy: 0.9944

Epoch 00039: val_accuracy did not improve from 0.99813
Epoch 40/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0172 - accuracy: 0.9951 - v
al_loss: 0.0189 - val_accuracy: 0.9953

Epoch 00040: val_accuracy did not improve from 0.99813
Epoch 41/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0083 - accuracy: 0.9986 - v
al_loss: 0.0232 - val_accuracy: 0.9934

Epoch 00041: val_accuracy did not improve from 0.99813
Epoch 42/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0098 - accuracy: 0.9969 - v
al_loss: 0.0142 - val_accuracy: 0.9972

Epoch 00042: val_accuracy did not improve from 0.99813
Epoch 43/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0146 - accuracy: 0.9947 - v
al_loss: 0.0172 - val_accuracy: 0.9944

Epoch 00043: val_accuracy did not improve from 0.99813
Epoch 44/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0118 - accuracy: 0.9971 - v
al_loss: 0.0210 - val_accuracy: 0.9953

Epoch 00044: val_accuracy did not improve from 0.99813
Epoch 45/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0098 - accuracy: 0.9964 - v
al_loss: 0.0145 - val_accuracy: 0.9972

Epoch 00045: val_accuracy did not improve from 0.99813
Epoch 46/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0132 - accuracy: 0.9967 - v
al_loss: 0.0169 - val_accuracy: 0.9953

Epoch 00046: val_accuracy did not improve from 0.99813
Epoch 47/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0100 - accuracy: 0.9968 - v
al_loss: 0.0125 - val_accuracy: 0.9963

Epoch 00047: val_accuracy did not improve from 0.99813
Epoch 48/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0137 - accuracy: 0.9974 - v
al_loss: 0.0170 - val_accuracy: 0.9963

Epoch 00048: val_accuracy did not improve from 0.99813
Epoch 49/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0119 - accuracy: 0.9967 - v
al_loss: 0.0116 - val_accuracy: 0.9953

Epoch 00049: val_accuracy did not improve from 0.99813
Epoch 50/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0136 - accuracy: 0.9943 - v
al_loss: 0.0273 - val_accuracy: 0.9916

Epoch 00050: val_accuracy did not improve from 0.99813
Epoch 51/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0093 - accuracy: 0.9978 - v
al_loss: 0.0132 - val_accuracy: 0.9953

Epoch 00051: val_accuracy did not improve from 0.99813
Epoch 52/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0127 - accuracy: 0.9962 - v
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al_loss: 0.0117 - val_accuracy: 0.9953

Epoch 00052: val_accuracy did not improve from 0.99813
Epoch 53/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0083 - accuracy: 0.9977 - v
al_loss: 0.0169 - val_accuracy: 0.9934

Epoch 00053: val_accuracy did not improve from 0.99813
Epoch 54/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0069 - accuracy: 0.9983 - v
al_loss: 0.0157 - val_accuracy: 0.9944

Epoch 00054: val_accuracy did not improve from 0.99813
Epoch 55/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0087 - accuracy: 0.9977 - v
al_loss: 0.0111 - val_accuracy: 0.9972

Epoch 00055: ReduceLROnPlateau reducing learning rate to 0.00010000000474974513.

Epoch 00055: val_accuracy did not improve from 0.99813
Epoch 56/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0077 - accuracy: 0.9982 - v
al_loss: 0.0105 - val_accuracy: 0.9963

Epoch 00056: val_accuracy did not improve from 0.99813
Epoch 57/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0095 - accuracy: 0.9976 - v
al_loss: 0.0118 - val_accuracy: 0.9963

Epoch 00057: val_accuracy did not improve from 0.99813
Epoch 58/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0064 - accuracy: 0.9994 - v
al_loss: 0.0112 - val_accuracy: 0.9963

Epoch 00058: val_accuracy did not improve from 0.99813
Epoch 59/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0061 - accuracy: 0.9989 - v
al_loss: 0.0109 - val_accuracy: 0.9963

Epoch 00059: val_accuracy did not improve from 0.99813
Epoch 60/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0075 - accuracy: 0.9984 - v
al_loss: 0.0105 - val_accuracy: 0.9953

Epoch 00060: val_accuracy did not improve from 0.99813
Epoch 61/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0082 - accuracy: 0.9978 - v
al_loss: 0.0106 - val_accuracy: 0.9963

Epoch 00061: val_accuracy did not improve from 0.99813
Epoch 62/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0049 - accuracy: 0.9987 - v
al_loss: 0.0114 - val_accuracy: 0.9963

Epoch 00062: val_accuracy did not improve from 0.99813
Epoch 63/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0076 - accuracy: 0.9976 - v
al_loss: 0.0115 - val_accuracy: 0.9963

Epoch 00063: val_accuracy did not improve from 0.99813
Epoch 64/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0045 - accuracy: 0.9993 - v
al_loss: 0.0114 - val_accuracy: 0.9963

Epoch 00064: val_accuracy did not improve from 0.99813
Epoch 65/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0072 - accuracy: 0.9984 - v
al_loss: 0.0112 - val_accuracy: 0.9953

Epoch 00065: val_accuracy did not improve from 0.99813
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Epoch 66/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0090 - accuracy: 0.9975 - v
al_loss: 0.0106 - val_accuracy: 0.9963

Epoch 00066: val_accuracy did not improve from 0.99813
Epoch 67/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0075 - accuracy: 0.9982 - v
al_loss: 0.0100 - val_accuracy: 0.9963

Epoch 00067: val_accuracy did not improve from 0.99813
Epoch 68/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0063 - accuracy: 0.9987 - v
al_loss: 0.0095 - val_accuracy: 0.9953

Epoch 00068: val_accuracy did not improve from 0.99813
Epoch 69/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0049 - accuracy: 0.9996 - v
al_loss: 0.0097 - val_accuracy: 0.9953

Epoch 00069: val_accuracy did not improve from 0.99813
Epoch 70/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0082 - accuracy: 0.9973 - v
al_loss: 0.0103 - val_accuracy: 0.9963

Epoch 00070: val_accuracy did not improve from 0.99813
Epoch 71/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0064 - accuracy: 0.9987 - v
al_loss: 0.0107 - val_accuracy: 0.9963

Epoch 00071: val_accuracy did not improve from 0.99813
Epoch 72/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0050 - accuracy: 0.9998 - v
al_loss: 0.0104 - val_accuracy: 0.9953

Epoch 00072: val_accuracy did not improve from 0.99813
Epoch 73/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0039 - accuracy: 0.9994 - v
al_loss: 0.0103 - val_accuracy: 0.9963

Epoch 00073: val_accuracy did not improve from 0.99813
Epoch 74/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0049 - accuracy: 0.9985 - v
al_loss: 0.0104 - val_accuracy: 0.9963

Epoch 00074: val_accuracy did not improve from 0.99813
Epoch 75/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0057 - accuracy: 0.9990 - v
al_loss: 0.0107 - val_accuracy: 0.9963

Epoch 00075: ReduceLROnPlateau reducing learning rate to 1.0000000474974514e-05.

Epoch 00075: val_accuracy did not improve from 0.99813
Epoch 76/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0079 - accuracy: 0.9983 - v
al_loss: 0.0107 - val_accuracy: 0.9963

Epoch 00076: val_accuracy did not improve from 0.99813
Epoch 77/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0064 - accuracy: 0.9983 - v
al_loss: 0.0107 - val_accuracy: 0.9953

Epoch 00077: val_accuracy did not improve from 0.99813
Epoch 78/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0068 - accuracy: 0.9976 - v
al_loss: 0.0107 - val_accuracy: 0.9953

Epoch 00078: val_accuracy did not improve from 0.99813
Epoch 79/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0089 - accuracy: 0.9972 - v
al_loss: 0.0108 - val_accuracy: 0.9953
```

```
Epoch 00079: val_accuracy did not improve from 0.99813
Epoch 80/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0045 - accuracy: 0.9986 - v
al_loss: 0.0108 - val_accuracy: 0.9963

Epoch 00080: val_accuracy did not improve from 0.99813
Epoch 81/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0061 - accuracy: 0.9984 - v
al_loss: 0.0108 - val_accuracy: 0.9963

Epoch 00081: val_accuracy did not improve from 0.99813
Epoch 82/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0033 - accuracy: 0.9999 - v
al_loss: 0.0108 - val_accuracy: 0.9963

Epoch 00082: val_accuracy did not improve from 0.99813
Epoch 83/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0045 - accuracy: 0.9992 - v
al_loss: 0.0109 - val_accuracy: 0.9963

Epoch 00083: val_accuracy did not improve from 0.99813
Epoch 84/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0073 - accuracy: 0.9978 - v
al_loss: 0.0109 - val_accuracy: 0.9963

Epoch 00084: val_accuracy did not improve from 0.99813
Epoch 85/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0072 - accuracy: 0.9984 - v
al_loss: 0.0109 - val_accuracy: 0.9963

Epoch 00085: val_accuracy did not improve from 0.99813
Epoch 86/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0081 - accuracy: 0.9967 - v
al_loss: 0.0110 - val_accuracy: 0.9963

Epoch 00086: val_accuracy did not improve from 0.99813
Epoch 87/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0059 - accuracy: 0.9986 - v
al_loss: 0.0110 - val_accuracy: 0.9963

Epoch 00087: val_accuracy did not improve from 0.99813
Epoch 88/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0056 - accuracy: 0.9989 - v
al_loss: 0.0109 - val_accuracy: 0.9963

Epoch 00088: val_accuracy did not improve from 0.99813
Epoch 00088: early stopping
INFO:tensorflow:Assets written to: saved_models/MLP_99.6_accuracy/assets
y_test
 [0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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mlp_pred
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Training model and cross validate using fold #5...

Model: "sequential_9"
_________________________________________________________________
Layer (type)                 Output Shape              Param #
=================================================================
flatten_9 (Flatten)          (None, 426)               0
_________________________________________________________________
dense_27 (Dense)             (None, 64)                27328
_________________________________________________________________
dropout_9 (Dropout)          (None, 64)                0
_________________________________________________________________
dense_28 (Dense)             (None, 16)                1040
_________________________________________________________________
dense_29 (Dense)             (None, 8)                 136
=================================================================
Total params: 28,504
Trainable params: 28,504
Non-trainable params: 0
_________________________________________________________________
None
Epoch 1/200
67/67 [==============================] - 0s 3ms/step - loss: 2.0325 - accuracy: 0.2295 - v
al_loss: 1.6686 - val_accuracy: 0.2444

Epoch 00001: val_accuracy improved from -inf to 0.24438, saving model to MLP_weights_check
point.hdf5
Epoch 2/200
67/67 [==============================] - 0s 2ms/step - loss: 1.4972 - accuracy: 0.3757 - v
```

```
al_loss: 0.9213 - val_accuracy: 0.6536

Epoch 00002: val_accuracy improved from 0.24438 to 0.65356, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 3/200
67/67 [==============================] - 0s 2ms/step - loss: 0.8141 - accuracy: 0.7099 - v
al_loss: 0.4313 - val_accuracy: 0.9073

Epoch 00003: val_accuracy improved from 0.65356 to 0.90730, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 4/200
67/67 [==============================] - 0s 2ms/step - loss: 0.4288 - accuracy: 0.8865 - v
al_loss: 0.2309 - val_accuracy: 0.9560

Epoch 00004: val_accuracy improved from 0.90730 to 0.95599, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 5/200
67/67 [==============================] - 0s 2ms/step - loss: 0.2717 - accuracy: 0.9239 - v
al_loss: 0.1537 - val_accuracy: 0.9654

Epoch 00005: val_accuracy improved from 0.95599 to 0.96536, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 6/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1934 - accuracy: 0.9450 - v
al_loss: 0.1043 - val_accuracy: 0.9794

Epoch 00006: val_accuracy improved from 0.96536 to 0.97940, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 7/200
67/67 [==============================] - 0s 1ms/step - loss: 0.1478 - accuracy: 0.9556 - v
al_loss: 0.0745 - val_accuracy: 0.9878

Epoch 00007: val_accuracy improved from 0.97940 to 0.98783, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 8/200
67/67 [==============================] - 0s 2ms/step - loss: 0.1070 - accuracy: 0.9738 - v
al_loss: 0.0648 - val_accuracy: 0.9869

Epoch 00008: val_accuracy did not improve from 0.98783
Epoch 9/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0932 - accuracy: 0.9764 - v
al_loss: 0.0515 - val_accuracy: 0.9934

Epoch 00009: val_accuracy improved from 0.98783 to 0.99345, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 10/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0838 - accuracy: 0.9760 - v
al_loss: 0.0407 - val_accuracy: 0.9934

Epoch 00010: val_accuracy did not improve from 0.99345
Epoch 11/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0636 - accuracy: 0.9855 - v
al_loss: 0.0362 - val_accuracy: 0.9944

Epoch 00011: val_accuracy improved from 0.99345 to 0.99438, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 12/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0616 - accuracy: 0.9808 - v
al_loss: 0.0334 - val_accuracy: 0.9953

Epoch 00012: val_accuracy improved from 0.99438 to 0.99532, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 13/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0475 - accuracy: 0.9878 - v
al_loss: 0.0335 - val_accuracy: 0.9944

Epoch 00013: val_accuracy did not improve from 0.99532
Epoch 14/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0457 - accuracy: 0.9880 - v
al_loss: 0.0274 - val_accuracy: 0.9953
```

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Epoch 00014: val_accuracy did not improve from 0.99532
Epoch 15/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0433 - accuracy: 0.9880 - v
al_loss: 0.0248 - val_accuracy: 0.9944

Epoch 00015: val_accuracy did not improve from 0.99532
Epoch 16/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0481 - accuracy: 0.9856 - v
al_loss: 0.0291 - val_accuracy: 0.9925

Epoch 00016: val_accuracy did not improve from 0.99532
Epoch 17/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0355 - accuracy: 0.9895 - v
al_loss: 0.0239 - val_accuracy: 0.9953

Epoch 00017: val_accuracy did not improve from 0.99532
Epoch 18/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0330 - accuracy: 0.9904 - v
al_loss: 0.0260 - val_accuracy: 0.9916

Epoch 00018: val_accuracy did not improve from 0.99532
Epoch 19/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0258 - accuracy: 0.9942 - v
al_loss: 0.0230 - val_accuracy: 0.9944

Epoch 00019: val_accuracy did not improve from 0.99532
Epoch 20/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0276 - accuracy: 0.9920 - v
al_loss: 0.0210 - val_accuracy: 0.9963

Epoch 00020: val_accuracy improved from 0.99532 to 0.99625, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 21/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0331 - accuracy: 0.9886 - v
al_loss: 0.0208 - val_accuracy: 0.9953

Epoch 00021: val_accuracy did not improve from 0.99625
Epoch 22/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0242 - accuracy: 0.9940 - v
al_loss: 0.0159 - val_accuracy: 0.9972

Epoch 00022: val_accuracy improved from 0.99625 to 0.99719, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 23/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0203 - accuracy: 0.9937 - v
al_loss: 0.0192 - val_accuracy: 0.9944

Epoch 00023: val_accuracy did not improve from 0.99719
Epoch 24/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0248 - accuracy: 0.9921 - v
al_loss: 0.0194 - val_accuracy: 0.9953

Epoch 00024: val_accuracy did not improve from 0.99719
Epoch 25/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0276 - accuracy: 0.9933 - v
al_loss: 0.0186 - val_accuracy: 0.9972

Epoch 00025: val_accuracy did not improve from 0.99719
Epoch 26/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0178 - accuracy: 0.9964 - v
al_loss: 0.0176 - val_accuracy: 0.9953

Epoch 00026: val_accuracy did not improve from 0.99719
Epoch 27/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0180 - accuracy: 0.9956 - v
al_loss: 0.0192 - val_accuracy: 0.9934

Epoch 00027: val_accuracy did not improve from 0.99719
Epoch 28/200
```

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67/67 [==============================] - 0s 1ms/step - loss: 0.0161 - accuracy: 0.9954 - v
al_loss: 0.0192 - val_accuracy: 0.9944

Epoch 00028: val_accuracy did not improve from 0.99719
Epoch 29/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0180 - accuracy: 0.9953 - v
al_loss: 0.0160 - val_accuracy: 0.9963

Epoch 00029: val_accuracy did not improve from 0.99719
Epoch 30/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0231 - accuracy: 0.9937 - v
al_loss: 0.0149 - val_accuracy: 0.9972

Epoch 00030: val_accuracy did not improve from 0.99719
Epoch 31/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0133 - accuracy: 0.9972 - v
al_loss: 0.0137 - val_accuracy: 0.9981

Epoch 00031: val_accuracy improved from 0.99719 to 0.99813, saving model to MLP_weights_ch
eckpoint.hdf5
Epoch 32/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0178 - accuracy: 0.9953 - v
al_loss: 0.0190 - val_accuracy: 0.9934

Epoch 00032: val_accuracy did not improve from 0.99813
Epoch 33/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0180 - accuracy: 0.9935 - v
al_loss: 0.0187 - val_accuracy: 0.9934

Epoch 00033: val_accuracy did not improve from 0.99813
Epoch 34/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0137 - accuracy: 0.9967 - v
al_loss: 0.0181 - val_accuracy: 0.9972

Epoch 00034: val_accuracy did not improve from 0.99813
Epoch 35/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0189 - accuracy: 0.9931 - v
al_loss: 0.0199 - val_accuracy: 0.9944

Epoch 00035: val_accuracy did not improve from 0.99813
Epoch 36/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0149 - accuracy: 0.9956 - v
al_loss: 0.0189 - val_accuracy: 0.9944

Epoch 00036: val_accuracy did not improve from 0.99813
Epoch 37/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0150 - accuracy: 0.9951 - v
al_loss: 0.0202 - val_accuracy: 0.9934

Epoch 00037: val_accuracy did not improve from 0.99813
Epoch 38/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0123 - accuracy: 0.9965 - v
al_loss: 0.0160 - val_accuracy: 0.9953

Epoch 00038: val_accuracy did not improve from 0.99813
Epoch 39/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0171 - accuracy: 0.9945 - v
al_loss: 0.0163 - val_accuracy: 0.9972

Epoch 00039: val_accuracy did not improve from 0.99813
Epoch 40/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0167 - accuracy: 0.9950 - v
al_loss: 0.0253 - val_accuracy: 0.9944

Epoch 00040: val_accuracy did not improve from 0.99813
Epoch 41/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0186 - accuracy: 0.9939 - v
al_loss: 0.0165 - val_accuracy: 0.9972

Epoch 00041: val_accuracy did not improve from 0.99813
```

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Epoch 42/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0134 - accuracy: 0.9960 - v
al_loss: 0.0171 - val_accuracy: 0.9963

Epoch 00042: val_accuracy did not improve from 0.99813
Epoch 43/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0130 - accuracy: 0.9964 - v
al_loss: 0.0124 - val_accuracy: 0.9972

Epoch 00043: val_accuracy did not improve from 0.99813
Epoch 44/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0097 - accuracy: 0.9980 - v
al_loss: 0.0140 - val_accuracy: 0.9972

Epoch 00044: val_accuracy did not improve from 0.99813
Epoch 45/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0103 - accuracy: 0.9968 - v
al_loss: 0.0126 - val_accuracy: 0.9981

Epoch 00045: val_accuracy did not improve from 0.99813
Epoch 46/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0098 - accuracy: 0.9979 - v
al_loss: 0.0132 - val_accuracy: 0.9963

Epoch 00046: val_accuracy did not improve from 0.99813
Epoch 47/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0091 - accuracy: 0.9973 - v
al_loss: 0.0135 - val_accuracy: 0.9963

Epoch 00047: val_accuracy did not improve from 0.99813
Epoch 48/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0152 - accuracy: 0.9947 - v
al_loss: 0.0127 - val_accuracy: 0.9963

Epoch 00048: val_accuracy did not improve from 0.99813
Epoch 49/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0150 - accuracy: 0.9963 - v
al_loss: 0.0099 - val_accuracy: 0.9972

Epoch 00049: val_accuracy did not improve from 0.99813
Epoch 50/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0078 - accuracy: 0.9976 - v
al_loss: 0.0114 - val_accuracy: 0.9944

Epoch 00050: val_accuracy did not improve from 0.99813
Epoch 51/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0100 - accuracy: 0.9975 - v
al_loss: 0.0119 - val_accuracy: 0.9953

Epoch 00051: ReduceLROnPlateau reducing learning rate to 0.00010000000474974513.

Epoch 00051: val_accuracy did not improve from 0.99813
Epoch 52/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0100 - accuracy: 0.9978 - v
al_loss: 0.0108 - val_accuracy: 0.9972

Epoch 00052: val_accuracy did not improve from 0.99813
Epoch 53/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0063 - accuracy: 0.9986 - v
al_loss: 0.0101 - val_accuracy: 0.9972

Epoch 00053: val_accuracy did not improve from 0.99813
Epoch 54/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0074 - accuracy: 0.9984 - v
al_loss: 0.0102 - val_accuracy: 0.9972

Epoch 00054: val_accuracy did not improve from 0.99813
Epoch 55/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0066 - accuracy: 0.9980 - v
al_loss: 0.0099 - val_accuracy: 0.9972
```

```
Epoch 00055: val_accuracy did not improve from 0.99813
Epoch 56/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0105 - accuracy: 0.9972 - v
al_loss: 0.0099 - val_accuracy: 0.9972

Epoch 00056: val_accuracy did not improve from 0.99813
Epoch 57/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0069 - accuracy: 0.9986 - v
al_loss: 0.0101 - val_accuracy: 0.9981

Epoch 00057: val_accuracy did not improve from 0.99813
Epoch 58/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0073 - accuracy: 0.9980 - v
al_loss: 0.0100 - val_accuracy: 0.9972

Epoch 00058: val_accuracy did not improve from 0.99813
Epoch 59/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0069 - accuracy: 0.9989 - v
al_loss: 0.0102 - val_accuracy: 0.9972

Epoch 00059: val_accuracy did not improve from 0.99813
Epoch 60/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0080 - accuracy: 0.9991 - v
al_loss: 0.0096 - val_accuracy: 0.9972

Epoch 00060: val_accuracy did not improve from 0.99813
Epoch 61/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0081 - accuracy: 0.9968 - v
al_loss: 0.0096 - val_accuracy: 0.9981

Epoch 00061: val_accuracy did not improve from 0.99813
Epoch 62/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0135 - accuracy: 0.9955 - v
al_loss: 0.0108 - val_accuracy: 0.9981

Epoch 00062: val_accuracy did not improve from 0.99813
Epoch 63/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0143 - accuracy: 0.9963 - v
al_loss: 0.0102 - val_accuracy: 0.9981

Epoch 00063: val_accuracy did not improve from 0.99813
Epoch 64/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0058 - accuracy: 0.9986 - v
al_loss: 0.0098 - val_accuracy: 0.9981

Epoch 00064: val_accuracy did not improve from 0.99813
Epoch 65/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0080 - accuracy: 0.9986 - v
al_loss: 0.0093 - val_accuracy: 0.9981

Epoch 00065: val_accuracy did not improve from 0.99813
Epoch 66/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0065 - accuracy: 0.9983 - v
al_loss: 0.0092 - val_accuracy: 0.9981

Epoch 00066: val_accuracy did not improve from 0.99813
Epoch 67/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0082 - accuracy: 0.9965 - v
al_loss: 0.0094 - val_accuracy: 0.9981

Epoch 00067: val_accuracy did not improve from 0.99813
Epoch 68/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0047 - accuracy: 0.9994 - v
al_loss: 0.0093 - val_accuracy: 0.9981

Epoch 00068: val_accuracy did not improve from 0.99813
Epoch 69/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0056 - accuracy: 0.9994 - v
al_loss: 0.0095 - val_accuracy: 0.9981
```

```
Epoch 00069: val_accuracy did not improve from 0.99813
Epoch 70/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0077 - accuracy: 0.9977 - v
al_loss: 0.0094 - val_accuracy: 0.9981

Epoch 00070: val_accuracy did not improve from 0.99813
Epoch 71/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0059 - accuracy: 0.9980 - v
al_loss: 0.0095 - val_accuracy: 0.9981

Epoch 00071: ReduceLROnPlateau reducing learning rate to 1.0000000474974514e-05.

Epoch 00071: val_accuracy did not improve from 0.99813
Epoch 72/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0034 - accuracy: 0.9998 - v
al_loss: 0.0095 - val_accuracy: 0.9981

Epoch 00072: val_accuracy did not improve from 0.99813
Epoch 73/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0056 - accuracy: 0.9987 - v
al_loss: 0.0095 - val_accuracy: 0.9981

Epoch 00073: val_accuracy did not improve from 0.99813
Epoch 74/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0082 - accuracy: 0.9977 - v
al_loss: 0.0096 - val_accuracy: 0.9981

Epoch 00074: val_accuracy did not improve from 0.99813
Epoch 75/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0066 - accuracy: 0.9985 - v
al_loss: 0.0096 - val_accuracy: 0.9981

Epoch 00075: val_accuracy did not improve from 0.99813
Epoch 76/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0065 - accuracy: 0.9989 - v
al_loss: 0.0096 - val_accuracy: 0.9981

Epoch 00076: val_accuracy did not improve from 0.99813
Epoch 77/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0048 - accuracy: 0.9995 - v
al_loss: 0.0096 - val_accuracy: 0.9981

Epoch 00077: val_accuracy did not improve from 0.99813
Epoch 78/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0038 - accuracy: 0.9997 - v
al_loss: 0.0096 - val_accuracy: 0.9981

Epoch 00078: val_accuracy did not improve from 0.99813
Epoch 79/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0072 - accuracy: 0.9979 - v
al_loss: 0.0097 - val_accuracy: 0.9981

Epoch 00079: val_accuracy did not improve from 0.99813
Epoch 80/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0052 - accuracy: 0.9988 - v
al_loss: 0.0097 - val_accuracy: 0.9981

Epoch 00080: val_accuracy did not improve from 0.99813
Epoch 81/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0077 - accuracy: 0.9969 - v
al_loss: 0.0098 - val_accuracy: 0.9981

Epoch 00081: val_accuracy did not improve from 0.99813
Epoch 82/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0056 - accuracy: 0.9981 - v
al_loss: 0.0098 - val_accuracy: 0.9981

Epoch 00082: val_accuracy did not improve from 0.99813
Epoch 83/200
```

```
67/67 [==============================] - 0s 2ms/step - loss: 0.0084 - accuracy: 0.9972 - v
al_loss: 0.0099 - val_accuracy: 0.9981

Epoch 00083: val_accuracy did not improve from 0.99813
Epoch 84/200
67/67 [==============================] - 0s 1ms/step - loss: 0.0101 - accuracy: 0.9970 - v
al_loss: 0.0099 - val_accuracy: 0.9981

Epoch 00084: val_accuracy did not improve from 0.99813
Epoch 85/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0072 - accuracy: 0.9982 - v
al_loss: 0.0100 - val_accuracy: 0.9981

Epoch 00085: val_accuracy did not improve from 0.99813
Epoch 86/200
67/67 [==============================] - 0s 2ms/step - loss: 0.0054 - accuracy: 0.9981 - v
al_loss: 0.0099 - val_accuracy: 0.9981

Epoch 00086: val_accuracy did not improve from 0.99813
Epoch 00086: early stopping
INFO:tensorflow:Assets written to: saved_models/MLP_99.6_accuracy/assets
y_test
 [0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5
 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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mlp_pred
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```

In [27]:

```
print('MLP ADAM - prediction accuracy of each fold:\n {}'.format(acc_scores))
print('')
print('MLP ADAM - average accuracy in 5-fold = {} with std. deviation {}' .format(np.mean(
print('')
print('Time taken: {:.2f} seconds' .format(time_taken))
```

```
MLP ADAM - prediction accuracy of each fold:
 [0.9934518337249756, 0.9943872690200806, 0.999064564704895, 0.9962546825408936, 0.9981273
412704468]

MLP ADAM - average accuracy in 5-fold = 0.9962571382522583 with std. deviation 0.002132859
727359576

Time taken: 47.01 seconds
```

Confusion Matrix of each training fold

In [28]:

```
for i in range(5):
    plot_confusion_matrix(conf_mat=cm_hist[i], class_names=encoder.classes_, show_normed=T
                          figsize=(7,7), hide_spines=False)
```

true label
predicted label
dab
elbowkick
gun
hair
listen
pointhigh
sidepump
wipetable
93 (0.99) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 1 (0.01) 0 (0.00) 0 (0.00)
0 (0.00) 87 (0.99) 0 (0.00) 0 (0.00) 1 (0.01) 0 (0.00) 0 (0.00) 0 (0.00)
0 (0.00) 0 (0.00) 116 (0.99) 1 (0.01) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00)
0 (0.00) 0 (0.00) 0 (0.00) 94 (1.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00)
0 (0.00) 0 (0.00) 0 (0.00) 1 (0.01) 123 (0.99) 0 (0.00) 0 (0.00) 0 (0.00)
2 (0.01) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 144 (0.99) 0 (0.00) 0 (0.00)
0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 135 (1.00) 0 (0.00)
0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 271 (1.00)

true label
predicted label
dab
elbowkick
gun
hair
listen
pointhigh
sidepump
wipetable
93 (1.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00)
0 (0.00) 65 (1.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00)
0 (0.00) 0 (0.00) 106 (1.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00)
0 (0.00) 0 (0.00) 0 (0.00) 118 (1.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00)
0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 140 (1.00) 0 (0.00) 0 (0.00) 0 (0.00)
0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 1 (0.01) 155 (0.99) 0 (0.00) 0 (0.00)
0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 148 (1.00) 0 (0.00)
0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 0 (0.00) 243 (1.00)

Classification Report of each training fold

In [29]:
```
for i in range(5):
    print("\nClassification Report for fold {}:" .format(i+1))
    print(classification_report_hist[i])
```

```
Classification Report for fold 1:
```

```
              precision    recall  f1-score   support

         dab       1.00      1.00      1.00        93
   elbowkick       0.98      0.98      0.98        62
         gun       0.97      1.00      0.98       123
        hair       1.00      0.98      0.99       134
      listen       0.99      1.00      1.00       122
   pointhigh       0.99      1.00      1.00       138
    sidepump       1.00      0.99      1.00       154
   wipetable       1.00      0.99      1.00       243

    accuracy                           0.99      1069
   macro avg       0.99      0.99      0.99      1069
weighted avg       0.99      0.99      0.99      1069


Classification Report for fold 2:
              precision    recall  f1-score   support

         dab       0.98      0.99      0.98        94
   elbowkick       1.00      0.99      0.99        88
         gun       1.00      0.99      1.00       117
        hair       0.98      1.00      0.99        94
      listen       0.99      0.99      0.99       124
   pointhigh       0.99      0.99      0.99       146
    sidepump       1.00      1.00      1.00       135
   wipetable       1.00      1.00      1.00       271

    accuracy                           0.99      1069
   macro avg       0.99      0.99      0.99      1069
weighted avg       0.99      0.99      0.99      1069


Classification Report for fold 3:
              precision    recall  f1-score   support

         dab       1.00      1.00      1.00        93
   elbowkick       1.00      1.00      1.00        65
         gun       1.00      1.00      1.00       106
        hair       1.00      1.00      1.00       118
      listen       0.99      1.00      1.00       140
   pointhigh       1.00      0.99      1.00       156
    sidepump       1.00      1.00      1.00       148
   wipetable       1.00      1.00      1.00       243

    accuracy                           1.00      1069
   macro avg       1.00      1.00      1.00      1069
weighted avg       1.00      1.00      1.00      1069


Classification Report for fold 4:
              precision    recall  f1-score   support

         dab       0.98      1.00      0.99       110
   elbowkick       1.00      0.99      0.99        79
         gun       0.99      1.00      0.99        93
        hair       1.00      1.00      1.00       150
      listen       1.00      1.00      1.00       117
   pointhigh       1.00      0.98      0.99       133
    sidepump       1.00      0.99      1.00       145
   wipetable       1.00      1.00      1.00       241

    accuracy                           1.00      1068
   macro avg       1.00      1.00      1.00      1068
weighted avg       1.00      1.00      1.00      1068


Classification Report for fold 5:
              precision    recall  f1-score   support
```

```
         dab       1.00      1.00      1.00        90
   elbowkick       1.00      0.99      0.99        79
         gun       0.99      1.00      1.00       113
        hair       1.00      1.00      1.00        98
      listen       1.00      1.00      1.00       130
   pointhigh       1.00      1.00      1.00       149
    sidepump       0.99      1.00      1.00       158
   wipetable       1.00      1.00      1.00       251

    accuracy                           1.00      1068
   macro avg       1.00      1.00      1.00      1068
weighted avg       1.00      1.00      1.00      1068
```

In [30]:

```
for history in train_histories:
    plt.figure(figsize=(12, 8))
    plt.plot(history['accuracy'], "g--", label="Accuracy of training data")
    plt.plot(history['val_accuracy'], "g", label="Accuracy of validation data")
    plt.plot(history['loss'], "r--", label="Loss of training data")
    plt.plot(history['val_loss'], "r", label="Loss of validation data")
    plt.title('Model Accuracy and Loss')
    plt.ylabel('Accuracy and Loss')
    plt.xlabel('Training Epoch')
    plt.ylim(0)
    plt.legend()
    plt.show()
```

Model Accuracy and Loss
Accuracy of training data
Accuracy of validation data
Loss of training data
Loss of validation data
Accuracy and Loss
Training Epoch
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
0
10
20
30
40

Model Accuracy and Loss
Accuracy of training data
Accuracy of validation data
Loss of training data
Loss of validation data
Accuracy and Loss
Training Epoch
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
0
20
40
60
80
100

Model Accuracy and Loss
Accuracy of training data
Accuracy of validation data
Loss of training data
Loss of validation data
Accuracy and Loss
Training Epoch
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80

Model Accuracy and Loss
Accuracy of training data
Accuracy of validation data
Loss of training data
Loss of validation data
Accuracy and Loss
Training Epoch
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80

In [ ]: