

```

        f, t, Zxx = EegTF.stft4EegChannel(fileName = file, channel = 'Cz',
            timeStep = 10, startTime = -1500, endTime = 3500, windowSize = 1000,
            desiredStartTime = -1000, desiredEndTime = 3000,
            trial_epoch = epoch + 1,
            frequencyStop = 40,
            windowTaper = 'hann', plot_data=None)

        x_TF_hold[totalHoldTrials, :, :] = Zxx.reshape([81, 202, 1])
        totalHoldTrials += 1

totalSqueezeTrials = 0
for fileindex, file in enumerate(squeezeFiles):
    data = scipy.io.loadmat(file)
    EEGtrials = data["EEG"][0][0]["trials"][0][0]
    for epoch in range(EEGtrials):
        f, t, Zxx = EegTF.stft4EegChannel(fileName = file, channel = 'Cz',
            timeStep = 10, startTime = -1500, endTime = 3500, windowSize = 1000,
            desiredStartTime = -1000, desiredEndTime = 3000,
            trial_epoch = epoch + 1,
            frequencyStop = 40,
            windowTaper = 'hann', plot_data=None)

        x_TF_squeeze[totalSqueezeTrials, :, :] = Zxx.reshape([81, 202, 1])
        totalSqueezeTrials += 1

```

Data quality check. Observe if the tf data is properly adjusted into the matrices. Example in `x_TF_hold`.

```

[10]: print(x_TF_hold[0, :, :, 0])
plt.figure()
plt.imshow(x_TF_hold[0, :, :, 0], cmap=plt.cm.jet)
plt.show()

```

```

[[ 1.00837827  1.01664519  1.0242672  ...  1.21540642  1.21476042
   1.21266937]
 [ 0.96937668  0.9755494   0.98069668 ...  1.26268351  1.252689
   1.24198902]
 [ 0.88855088  0.89161873  0.89389122 ...  1.22902763  1.21336627
   1.19699228]
 ...
 [-0.64088261 -0.63599622 -0.63207549 ... -0.74929386 -0.74908513
  -0.7490347 ]
 [-0.58144253 -0.57178557 -0.56306612 ... -0.73317277 -0.73265374
  -0.73273206]
 [-0.6119619  -0.60087234 -0.59039205 ... -0.73365557 -0.72697687

```