All the binary data should be packed in the following format.

In each binary, there are 10 [float32] in each sample. Each is exactly after the previous such that

[Timestamp] [accel 1][accel 2][accel 3] [accel 1][accel 2][accel 3][yaw][pitch][roll]

Example:

N = 10;

fid = fopen(IMU\_file,'r');

raw = fread(fid,inf,'float32');

fclose(fid);

data = reshape(raw, N,numel(raw)/ N).';

Where the first sample would be

disp(data(1,:).')