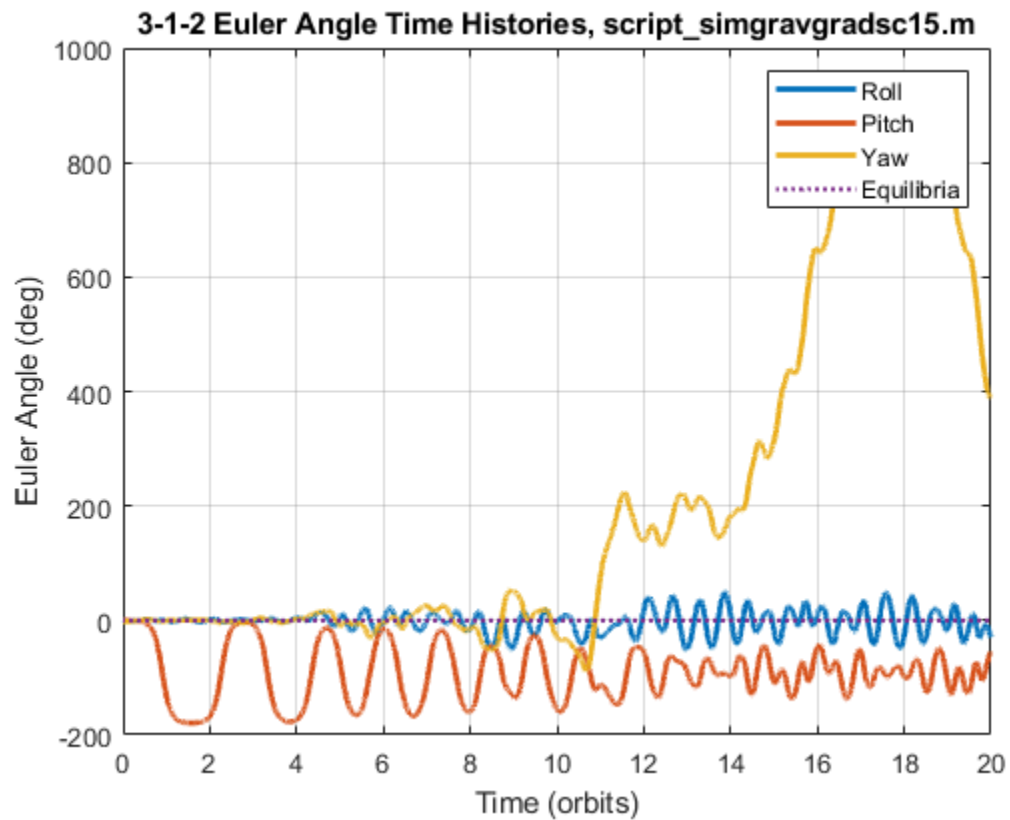# Problem 7

```
xfinal =

   0.117496010185310
   0.480952819413493
  -0.323683410192931
  -0.806297823411958
  -0.001205763144471
  -0.000264064182243
   0.000547611740791
```

The system is unstable, evident from diverging yaw angle. Though the time history shows behavior of marginally stable system, it reveals an chaotic behavior is larger time scales

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