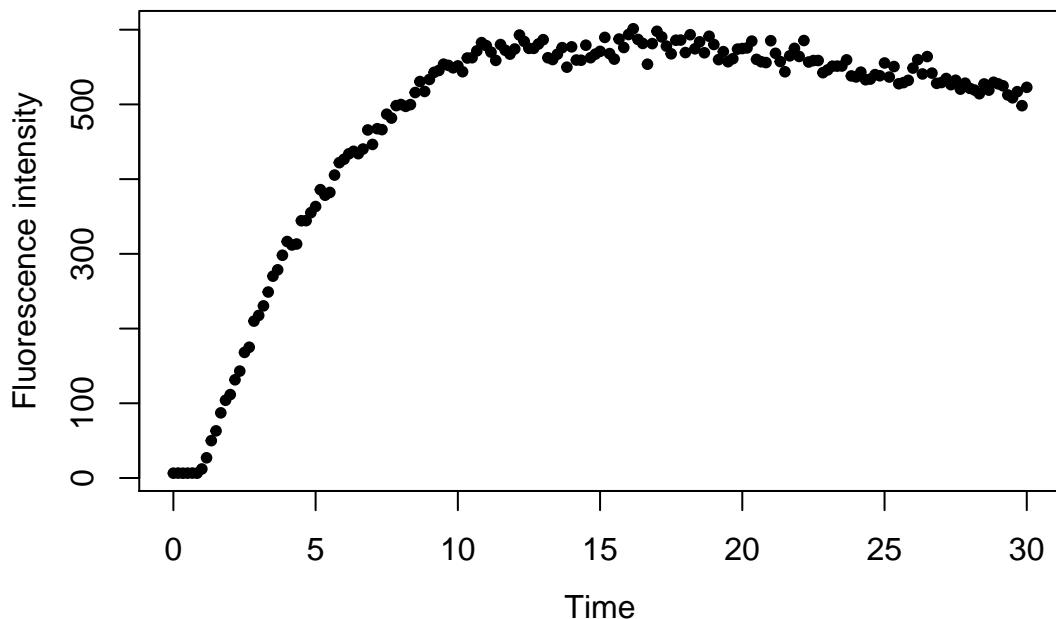


Analysis of individual stanfit objects

November 4, 2020

Dataset: simulated_data_dataset1_with_error, model type: ODE

Trajectory 6



| | mean | se_mean | sd | 5% | 50% | 95% | n_eff |
|----------------------|---------|---------|----------|---------|---------|----------|-------|
| theta[1] | 0.106 | 0.034 | 0.067 | 0.018 | 0.155 | 0.164 | 4 |
| theta[2] | 1.541 | 0.019 | 2.101 | 0.025 | 0.650 | 6.038 | 11619 |
| theta[3] | 0.071 | 0.034 | 0.067 | 0.018 | 0.021 | 0.162 | 4 |
| m0 | 205.410 | 2.038 | 210.301 | 3.965 | 133.964 | 637.656 | 10649 |
| sigma | 0.032 | 0.000 | 0.002 | 0.029 | 0.032 | 0.034 | 13581 |
| scale | 6.841 | 0.084 | 7.883 | 0.118 | 3.295 | 24.478 | 8778 |
| offset | 6.502 | 0.001 | 0.083 | 6.366 | 6.500 | 6.641 | 14496 |
| t0 | 0.962 | 0.000 | 0.003 | 0.957 | 0.962 | 0.967 | 17129 |
| prod_theta2_m0 | 217.594 | 5.455 | 531.059 | 5.038 | 37.399 | 1042.448 | 9479 |
| prod_theta2_scale | 6.310 | 0.211 | 17.924 | 0.193 | 0.921 | 30.940 | 7209 |
| prod_m0_scale | 983.074 | 23.563 | 2114.549 | 20.415 | 189.753 | 4987.156 | 8054 |
| prod_theta2_m0_scale | 123.472 | 0.010 | 1.062 | 121.749 | 123.456 | 125.236 | 12035 |
| x2_sim[180] | 877.341 | 22.007 | 2141.635 | 20.319 | 151.111 | 4203.371 | 9470 |
| | Rhat | | | | | | |
| theta[1] | 20.942 | | | | | | |
| theta[2] | 1.000 | | | | | | |
| theta[3] | 26.812 | | | | | | |
| m0 | 1.000 | | | | | | |
| sigma | 1.000 | | | | | | |
| scale | 1.000 | | | | | | |
| offset | 1.000 | | | | | | |
| t0 | 1.000 | | | | | | |

```
prod_theta2_m0      1.001
prod_theta2_scale   1.001
prod_m0_scale       1.001
prod_theta2_m0_scale 1.000
x2_sim[180]         1.001
```

Divergences:

0 of 20000 iterations ended with a divergence.

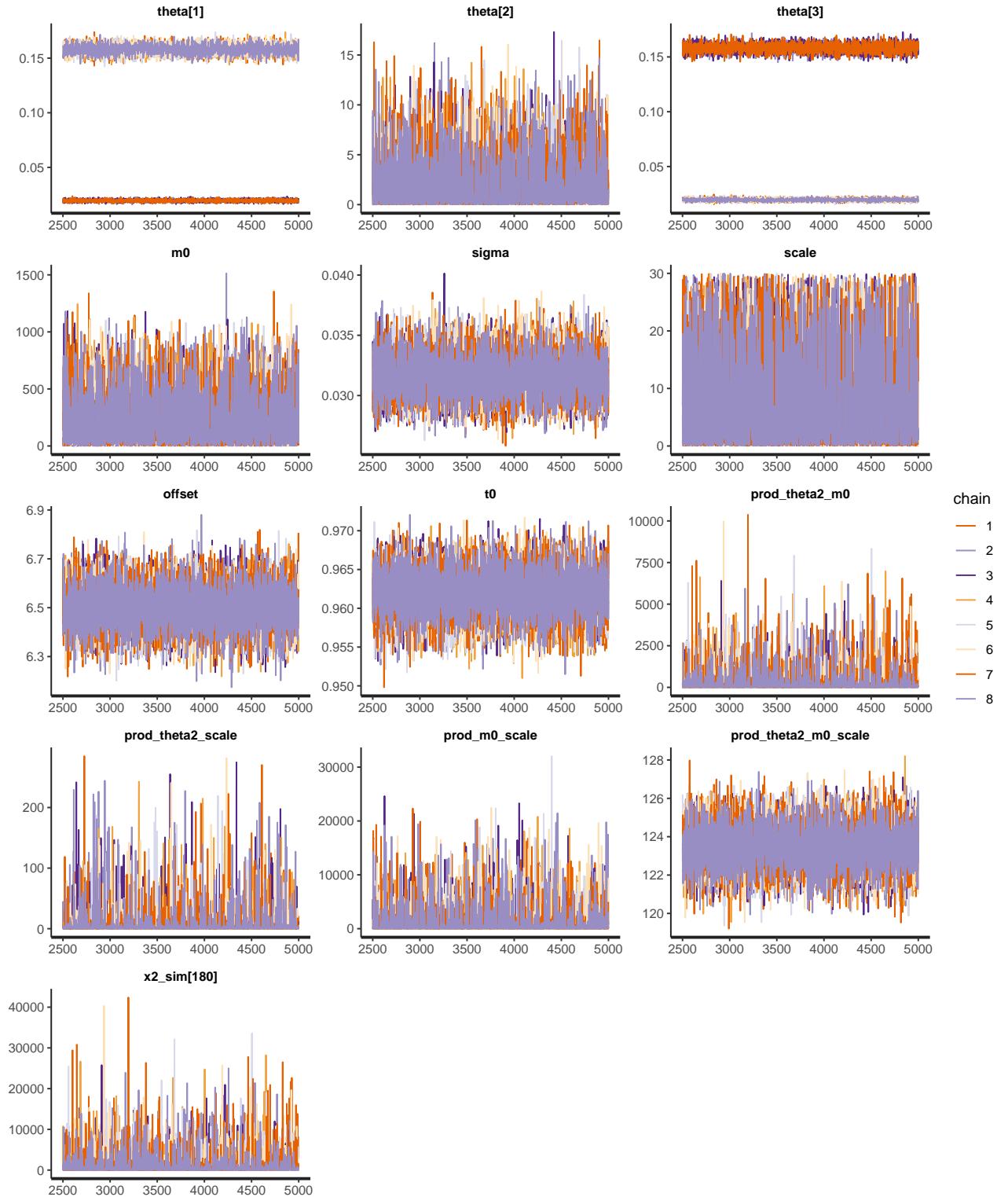
Tree depth:

0 of 20000 iterations saturated the maximum tree depth of 15.

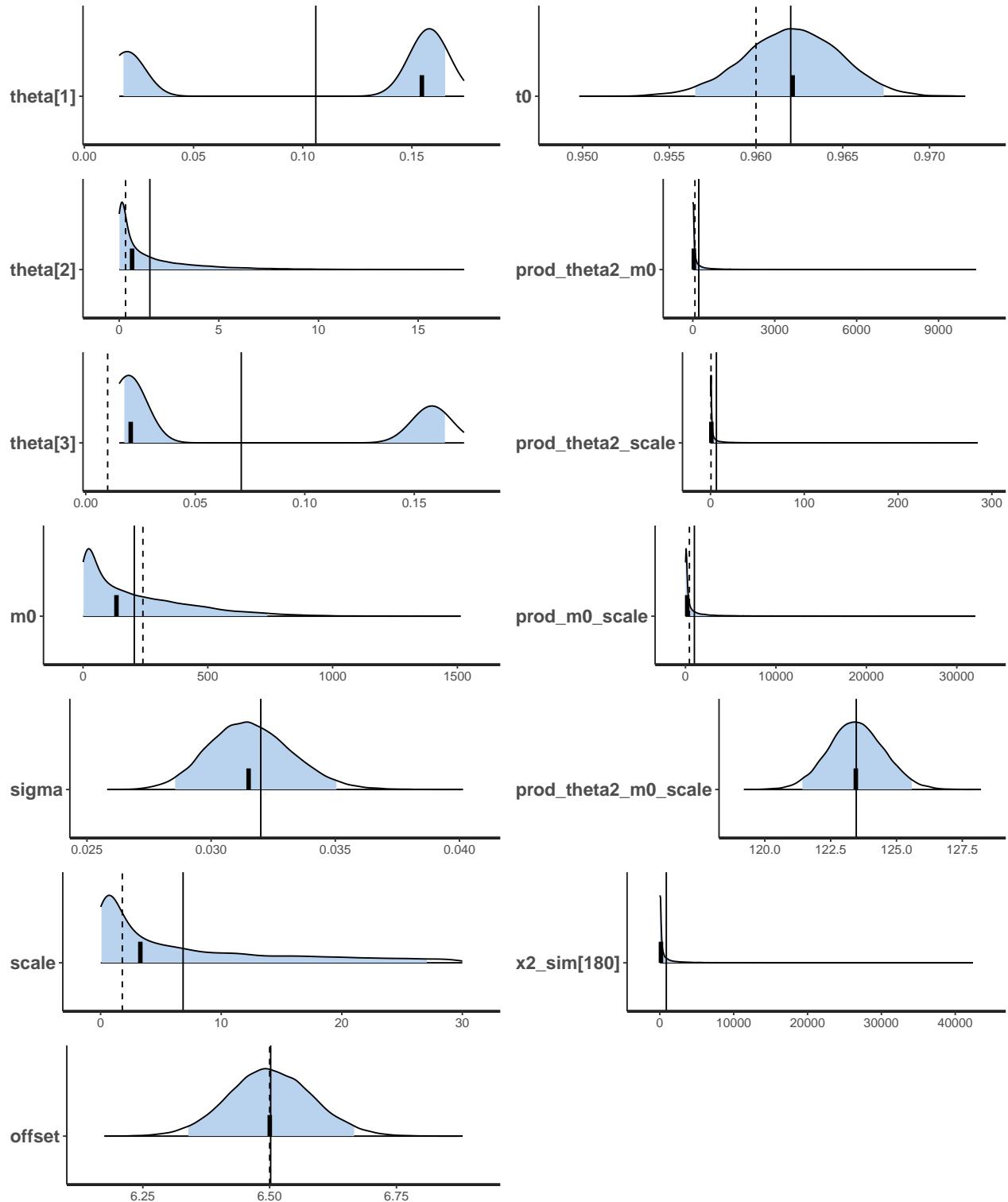
Energy:

E-BFMI indicated no pathological behavior.

Traceplots



Density plots with 95% CI, median (solid line), and if applicable true value (dashed line)



Pair plots

