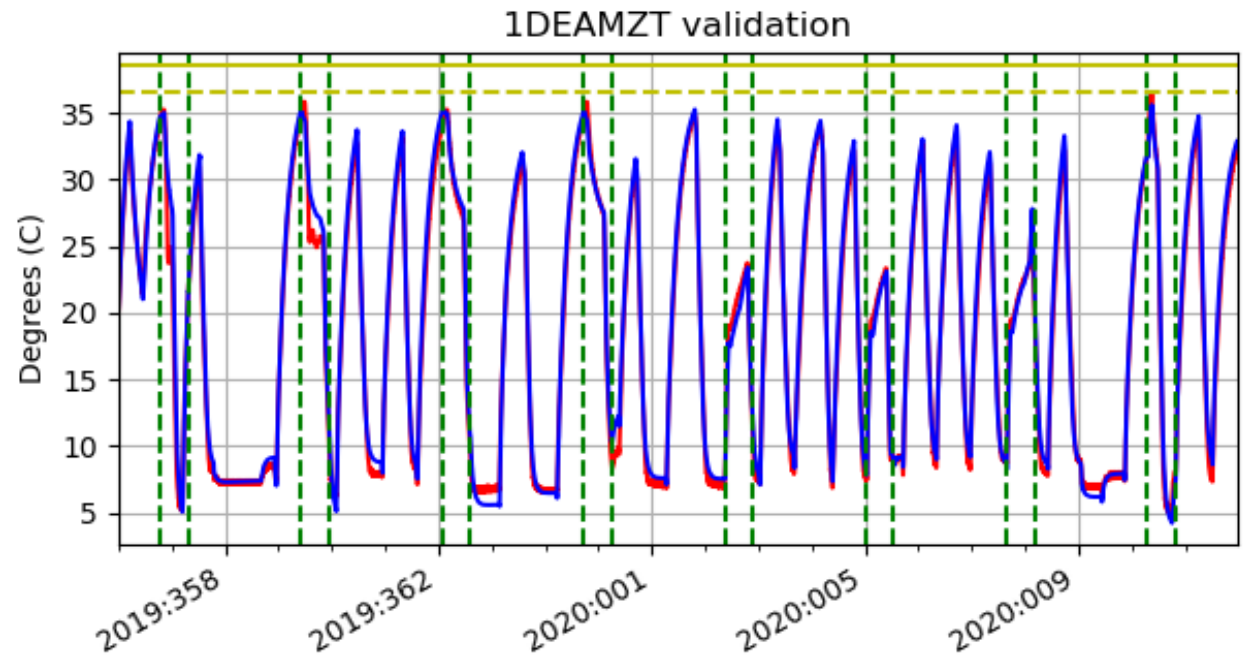


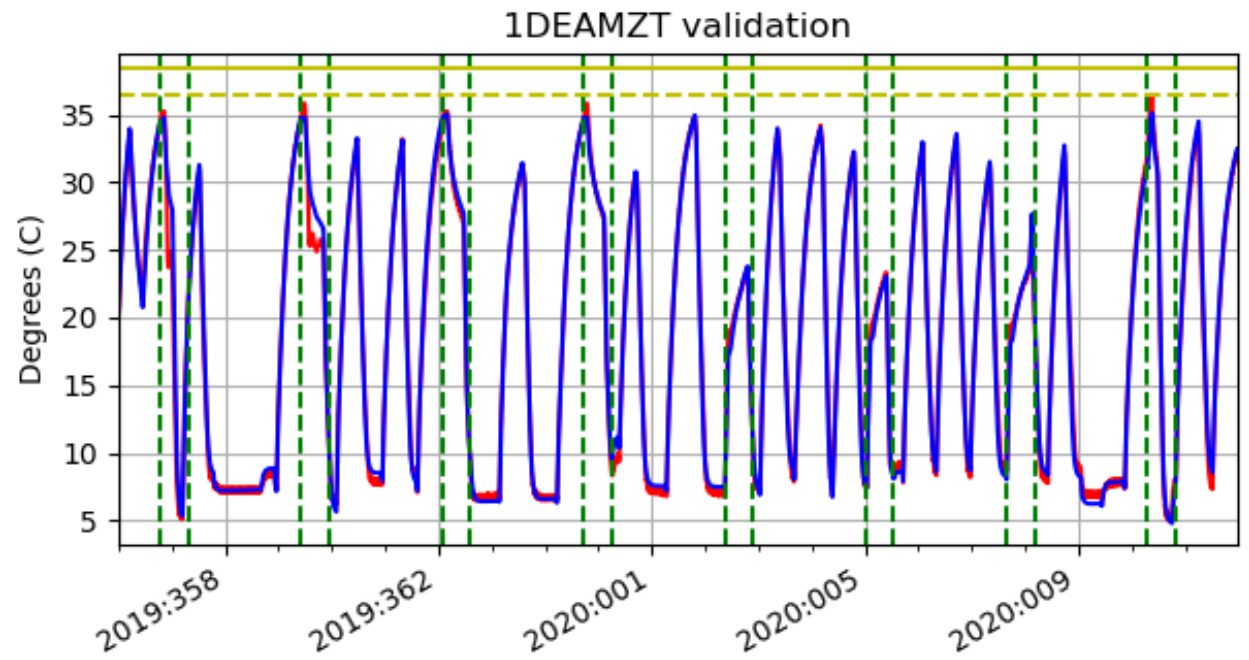
1 DEAMZT Model Recalibration and New ODE Solver

John ZuHone
CXC ACIS Operations

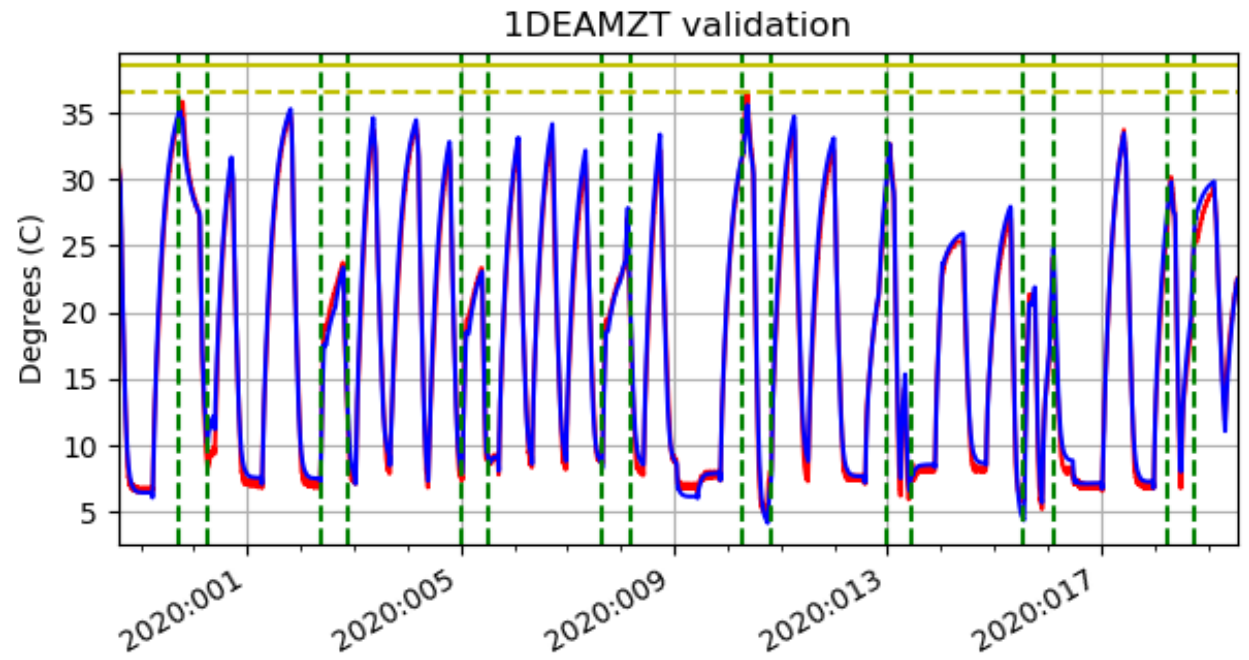
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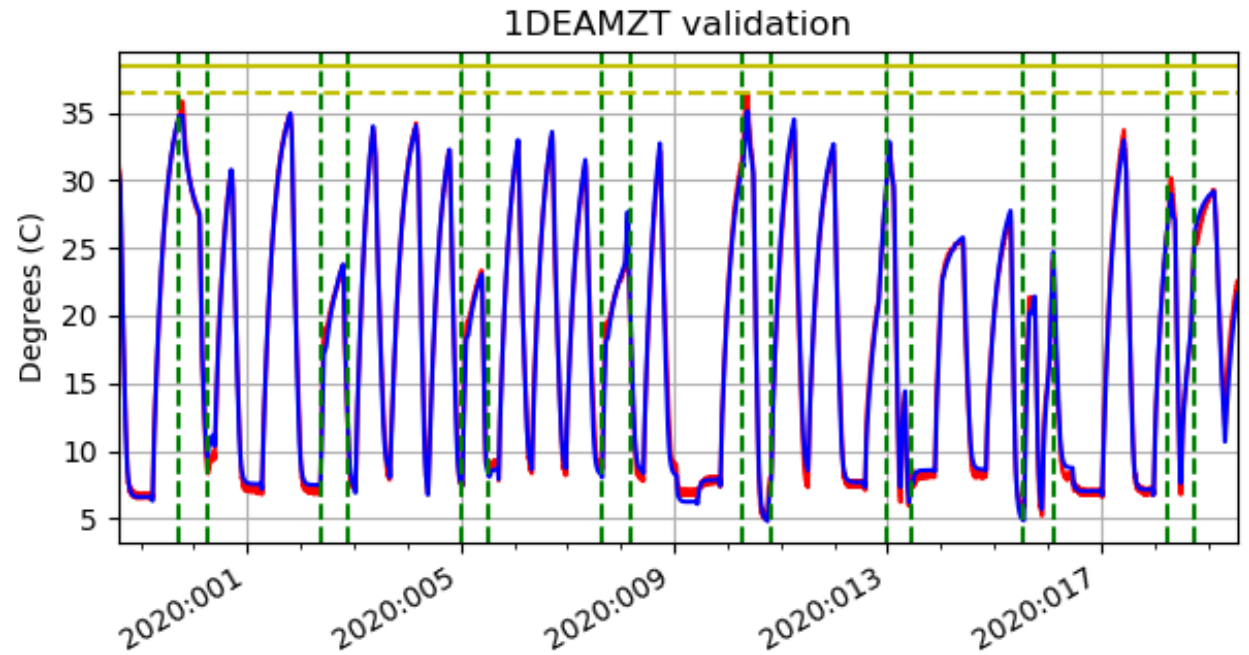
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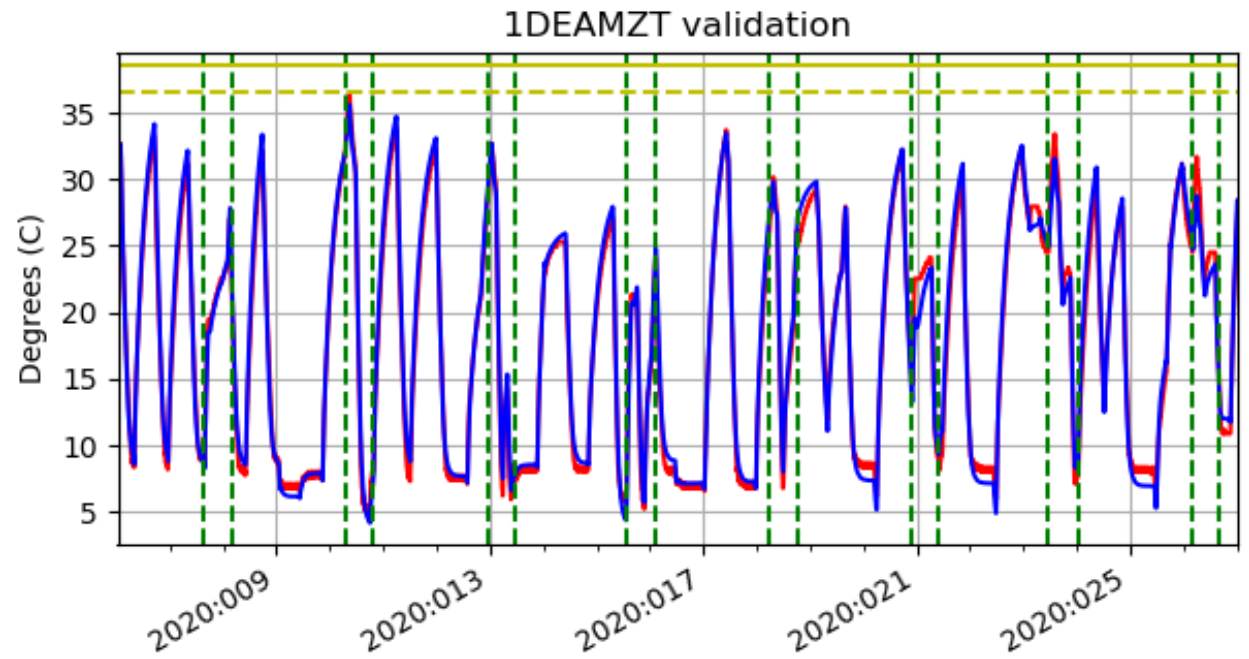
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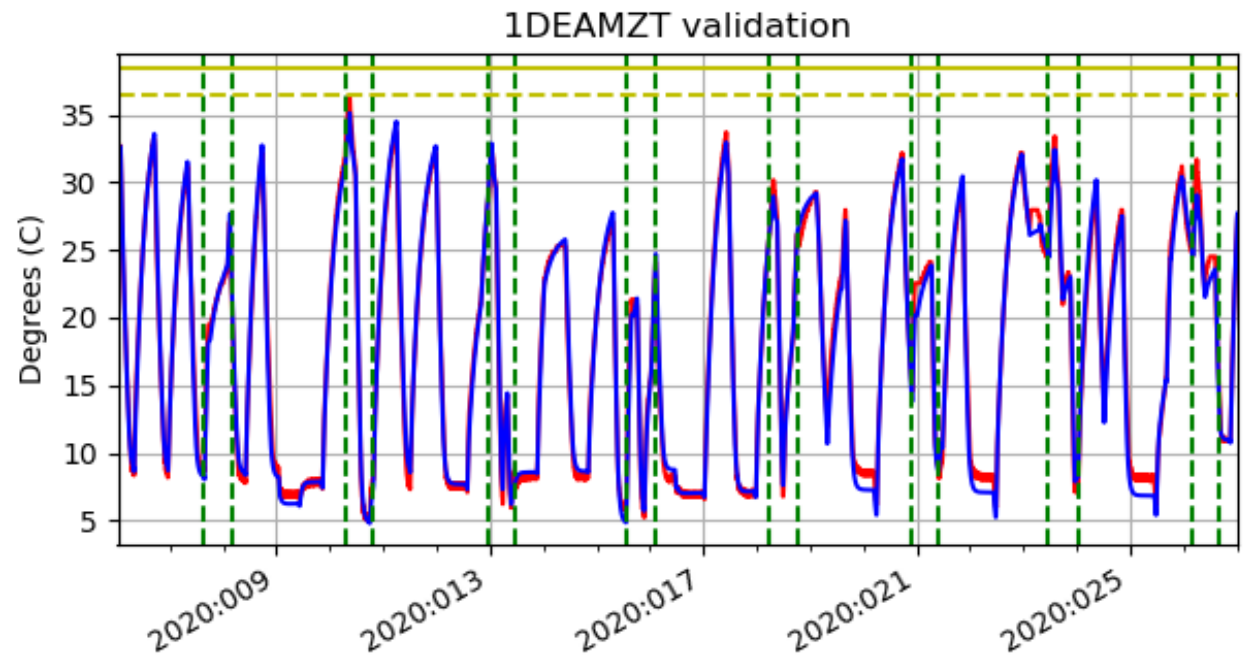
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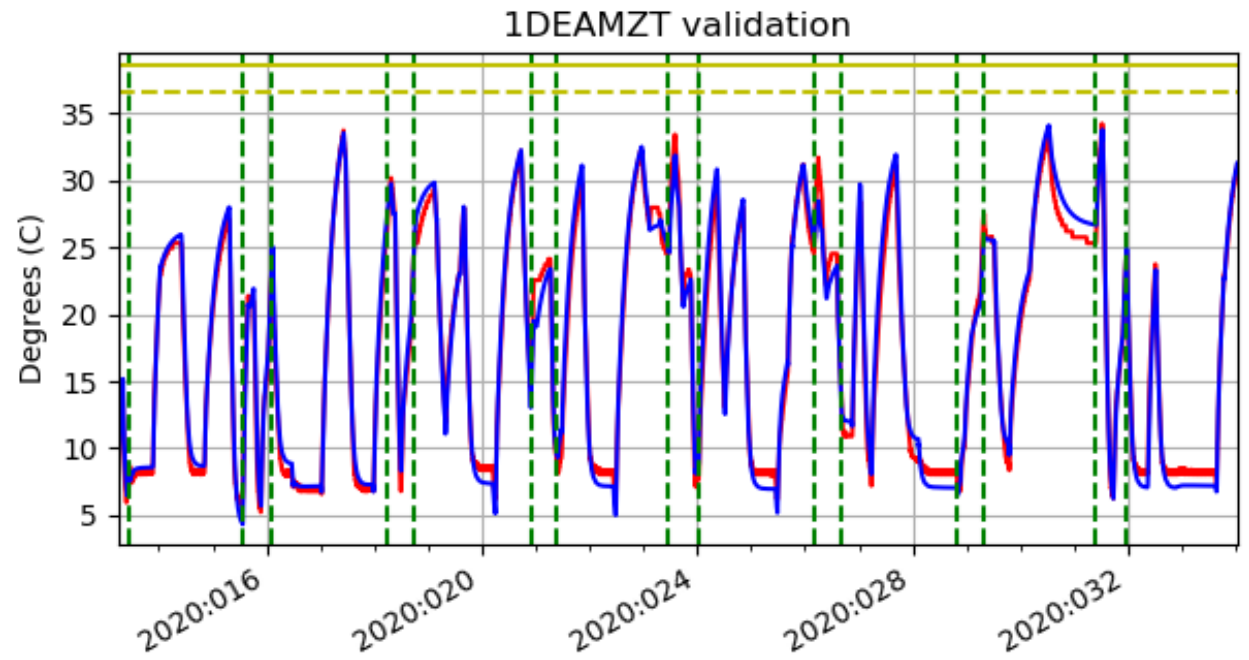
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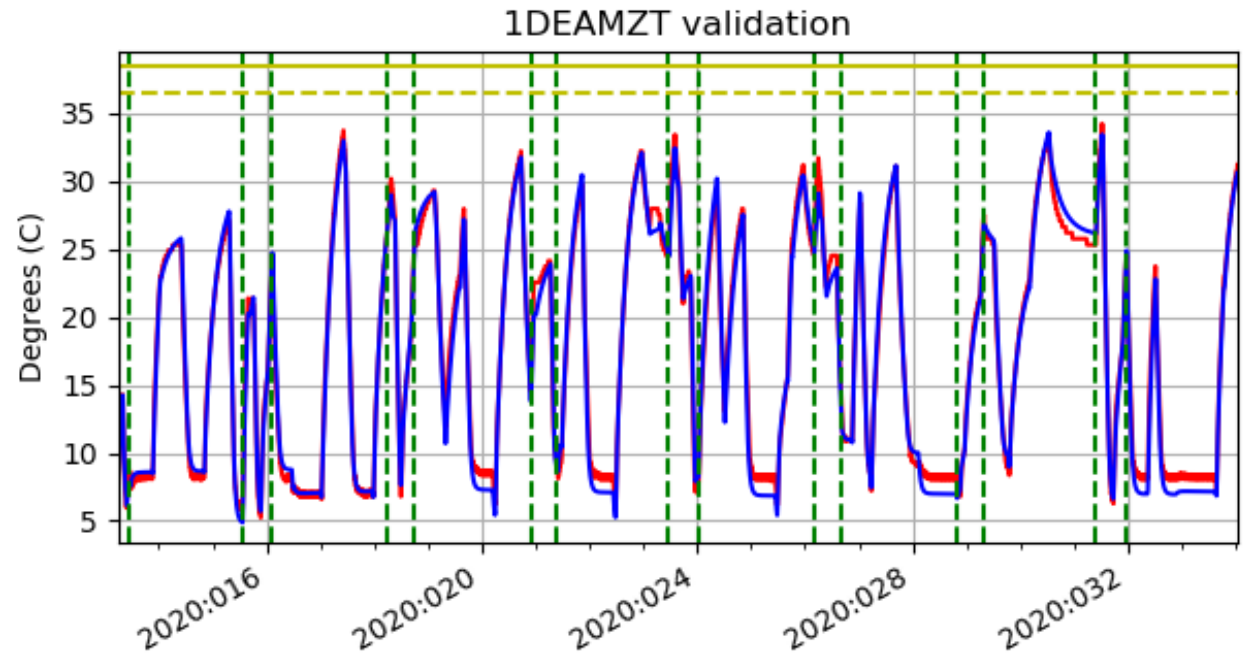
New



Old



New



Timing

- Model prediction for a year's worth of data
- Old solver:
 - Time with preloading: 0.0266 s
 - Time without preloading: 0.0022 s
- New solver:
 - Time with preloading: 0.0263 s
 - Time without preloading: 0.0063 s