

GPU Solutions for PSCAD: IT17112

Reporting Period	April 2, 2020 - April 9, 2020
Activities	<ul style="list-style-type: none"> • Ran new sparse matrix code on entire <i>Province</i> data set and recorded GPU solve time per time step
Issues	<ul style="list-style-type: none"> • None
Milestones Accomplished	<ul style="list-style-type: none"> • First run through of entire <i>Province</i> data set
Milestones Not Accomplished	<ul style="list-style-type: none"> • None
Next Week's Milestones	<ul style="list-style-type: none"> • Load & run matrix solving on U of W GPU resources
Forwarded Issues	<ul style="list-style-type: none"> • None

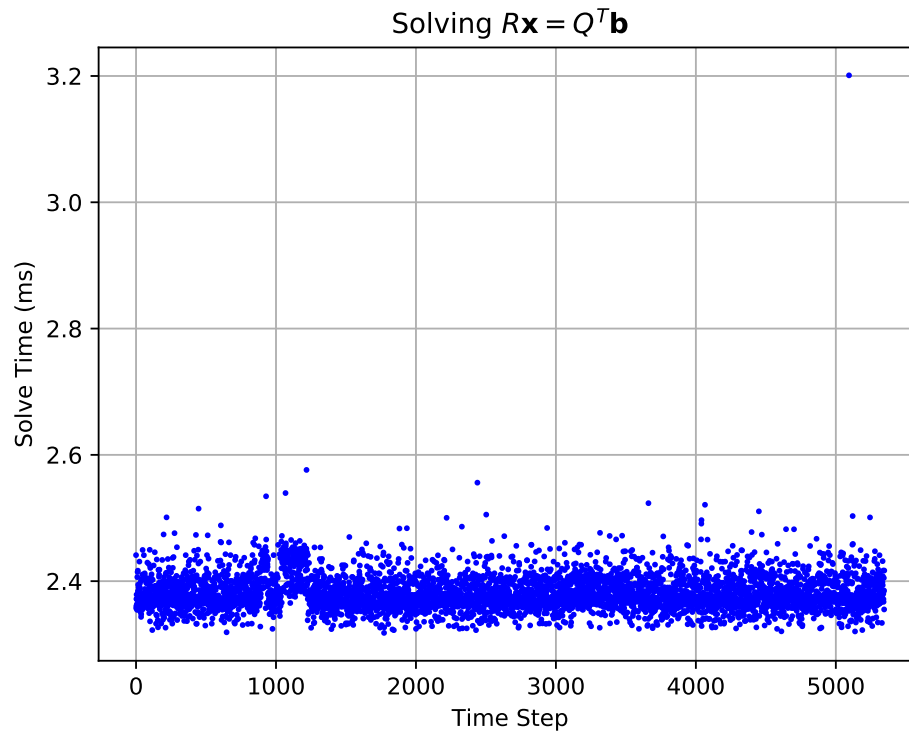


Figure 1: Timing for solving for $\mathbf{x}(t_0)$ after matrix factorization for the entire *Province* data set.