QMD Analysis [Sep_19/11_41]

results_directory : /panfs/panasas01/phys/bf16951/QMD/ParallelDevelopment/Results/Sep_19/11_41

output_file_name : analysis.pdf

num_experiments : 750

num_particles : 2500

num_times_bayes : 750

num_probes : 40

probe_noise_level : 0.001

special_probe_for_learning : random

growth_generation_rule : two_qubit_ising_rotation_hyperfine_transverse

run_description : NV-exp-method-sim__probe-with-phase__same-probe__reduced-true-mod

git_commit_hash : 8245f7a6b7c89967b528103210f9acd34f1d818e

num_tests : 50

resample_threshold : 0.5

resample_a : 0.98

pgh_factor : 1.0

qhl_test : 0

multiQHL : 0

cumulative_csv :

/panfs/panasas01/phys/bf16951/QMD/ParallelDevelopment/Results/Sep_19/11_41/cumulative.csv

experimental_data : 0

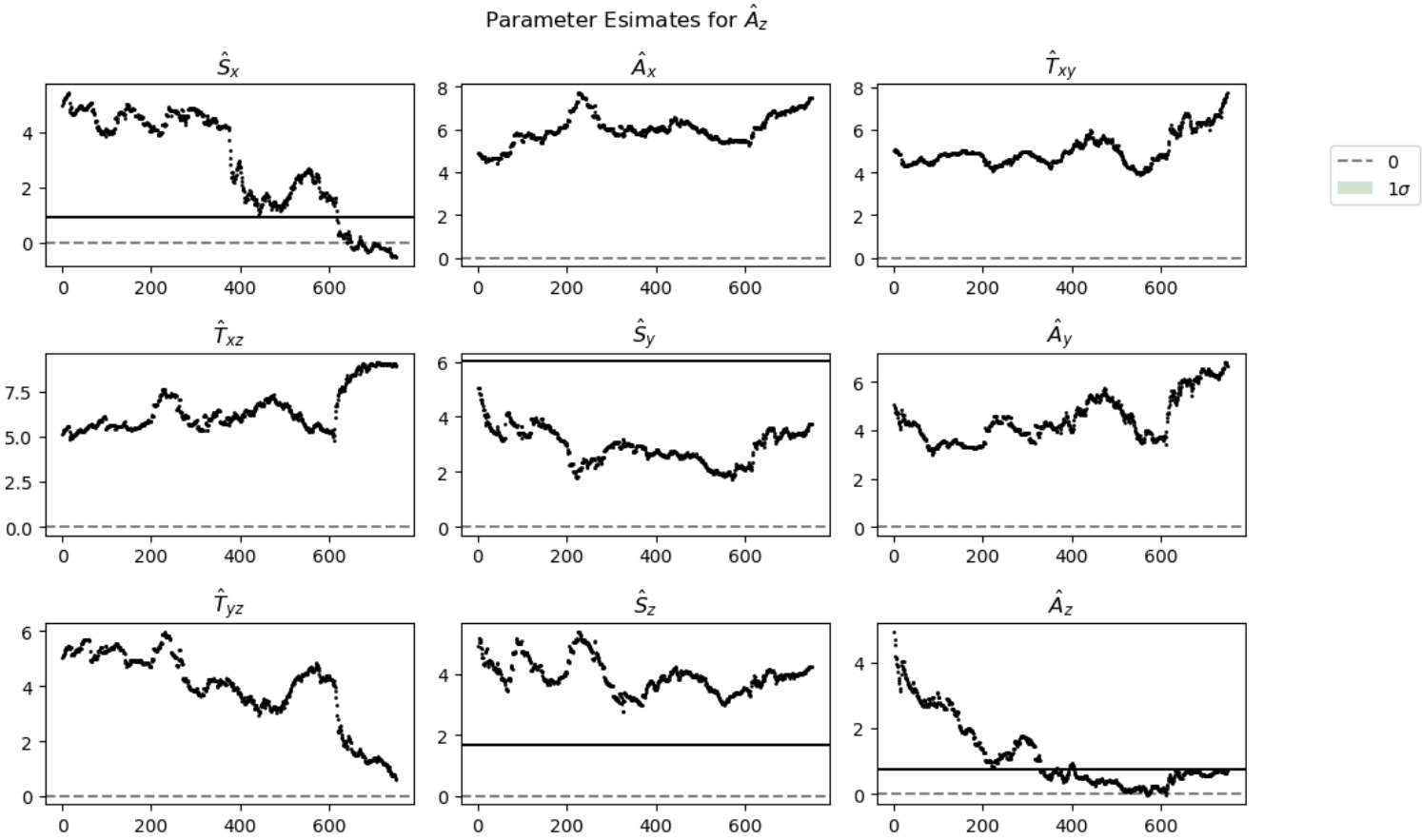
expectation_value_func : n_qubit_hahn_evolution

heuristic : one_over_sigma_then_linspace

probe_generation_function : plus_plus_with_phase_difference

plot_probe_generation_function : plus_probes_dict

QMD Analysis [Sep_19/11_41]



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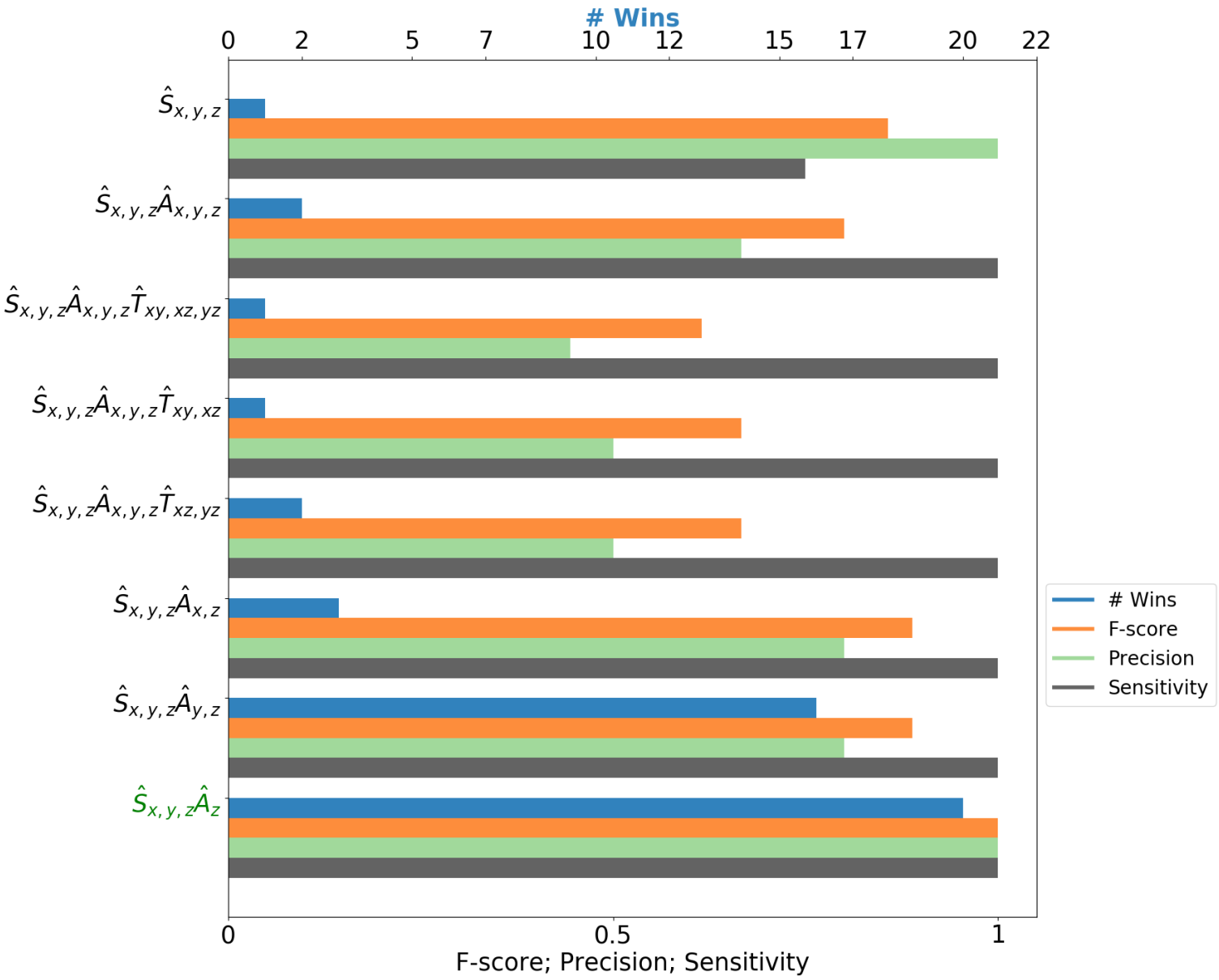

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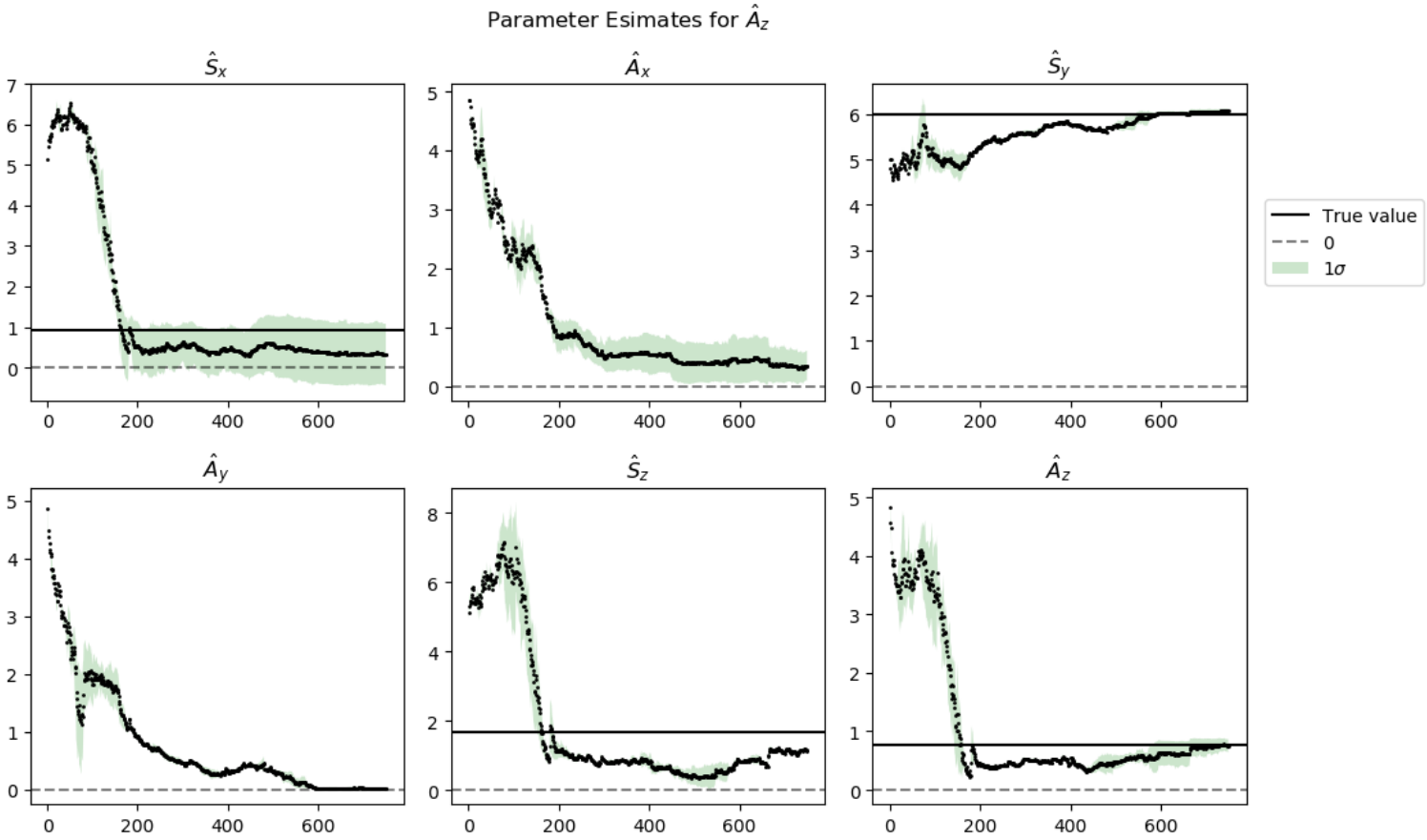

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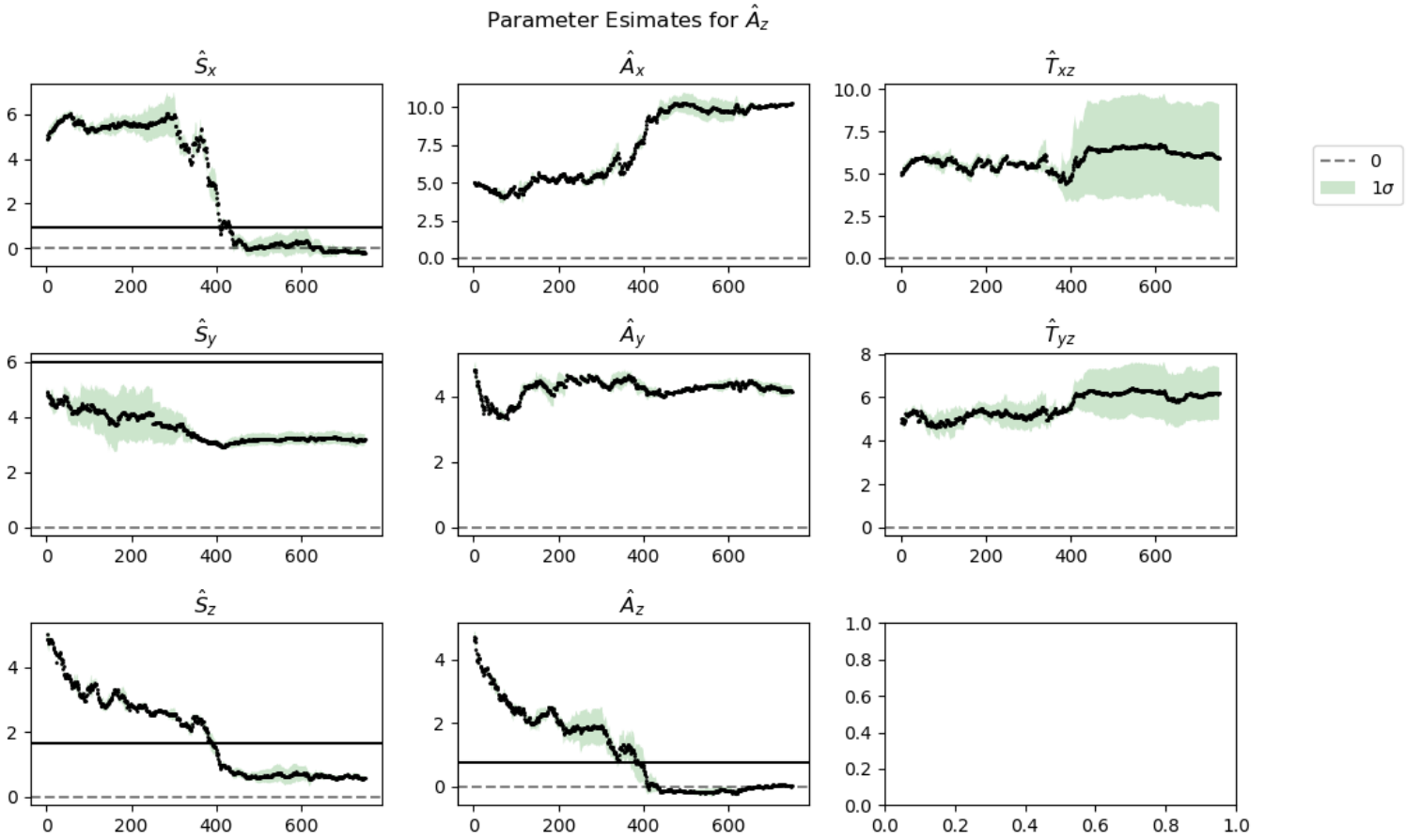

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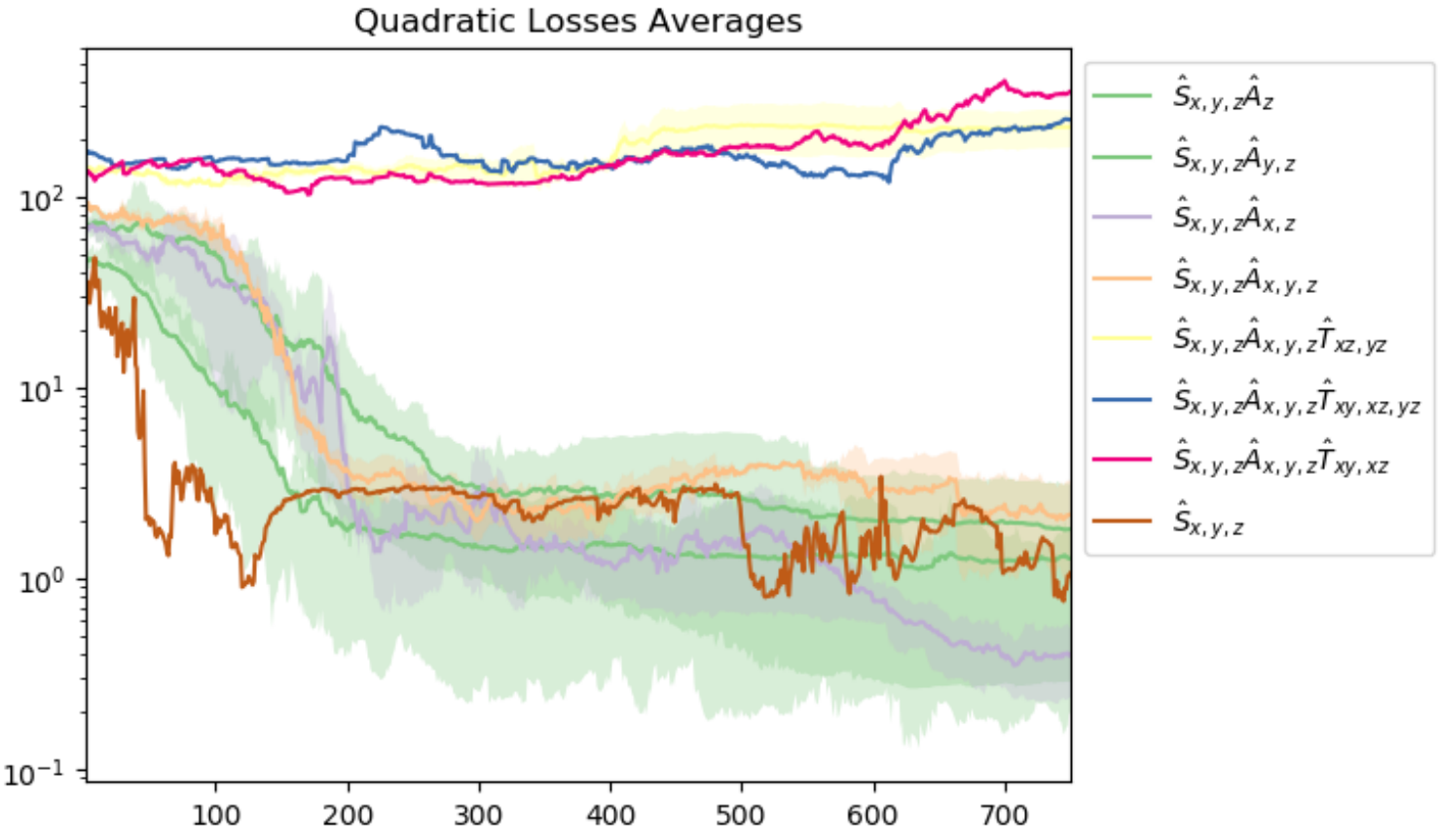

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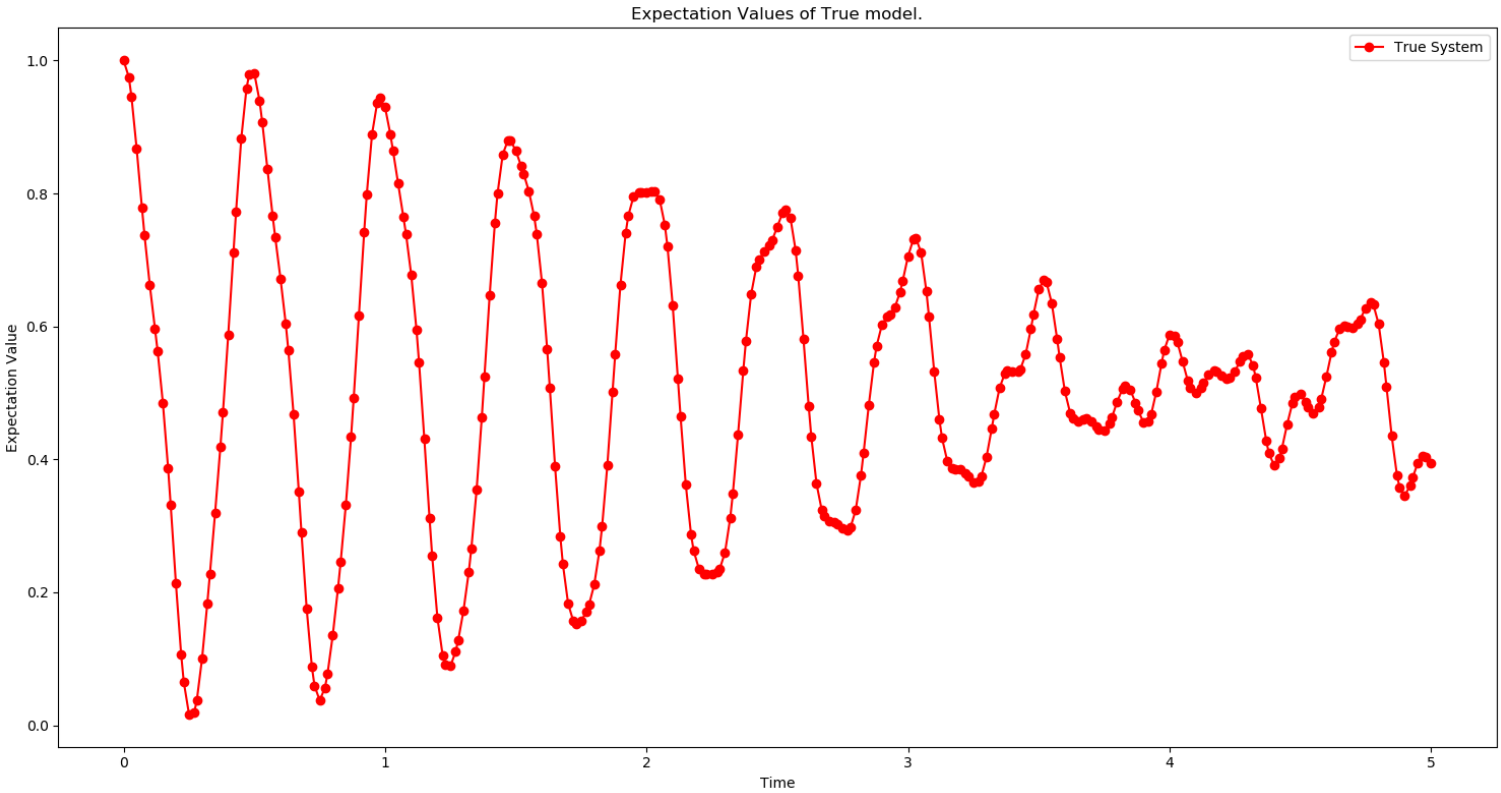

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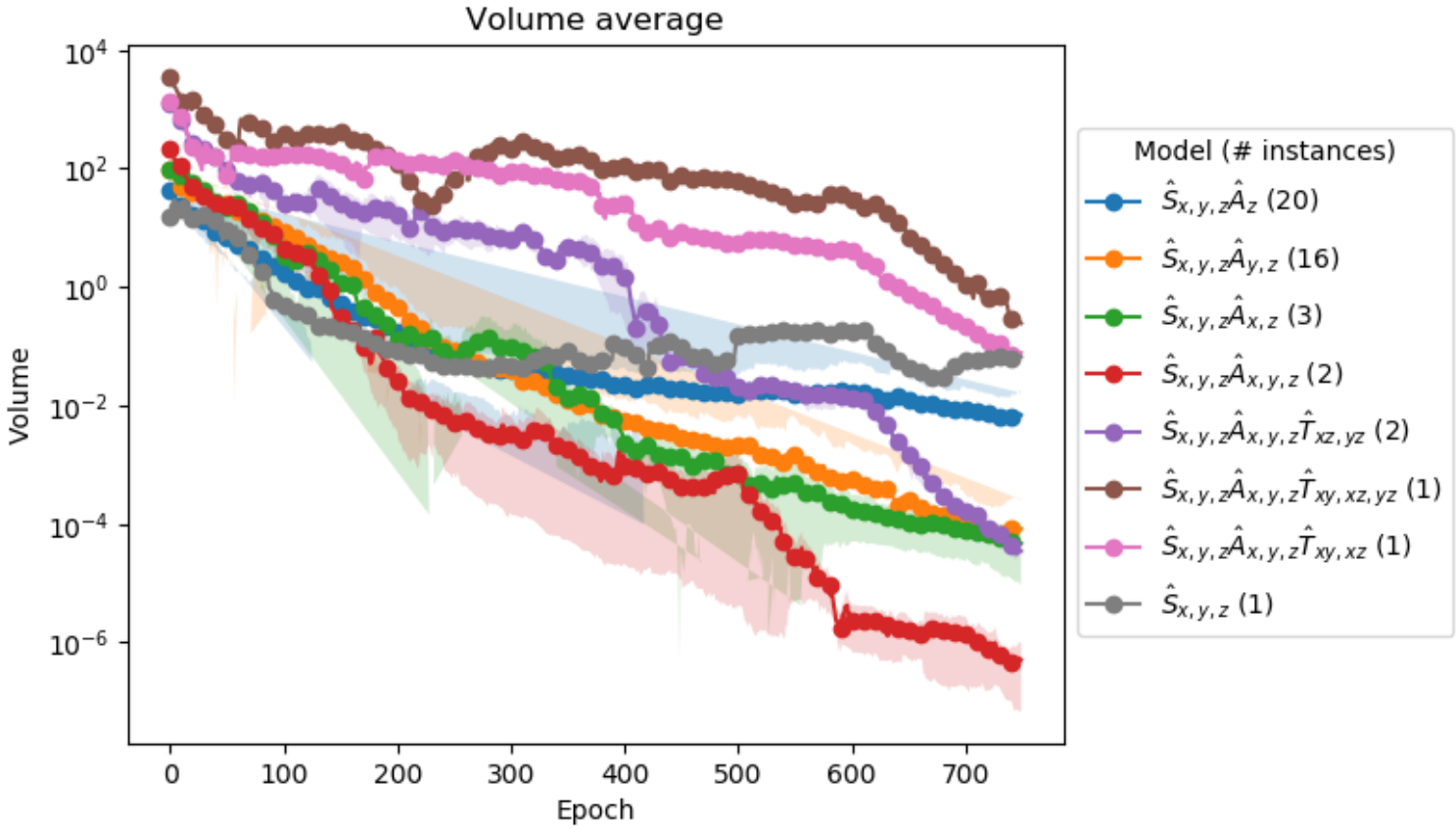
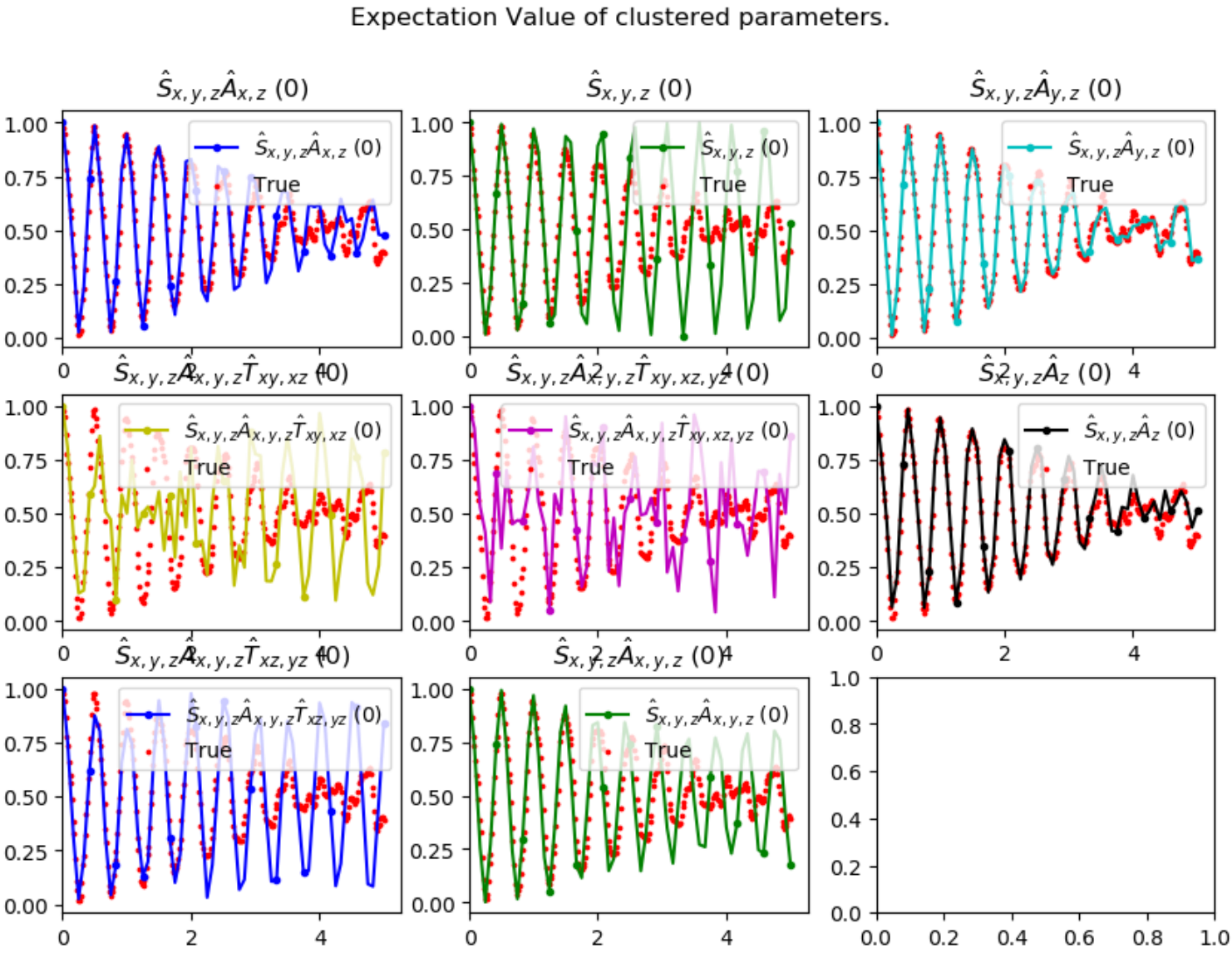
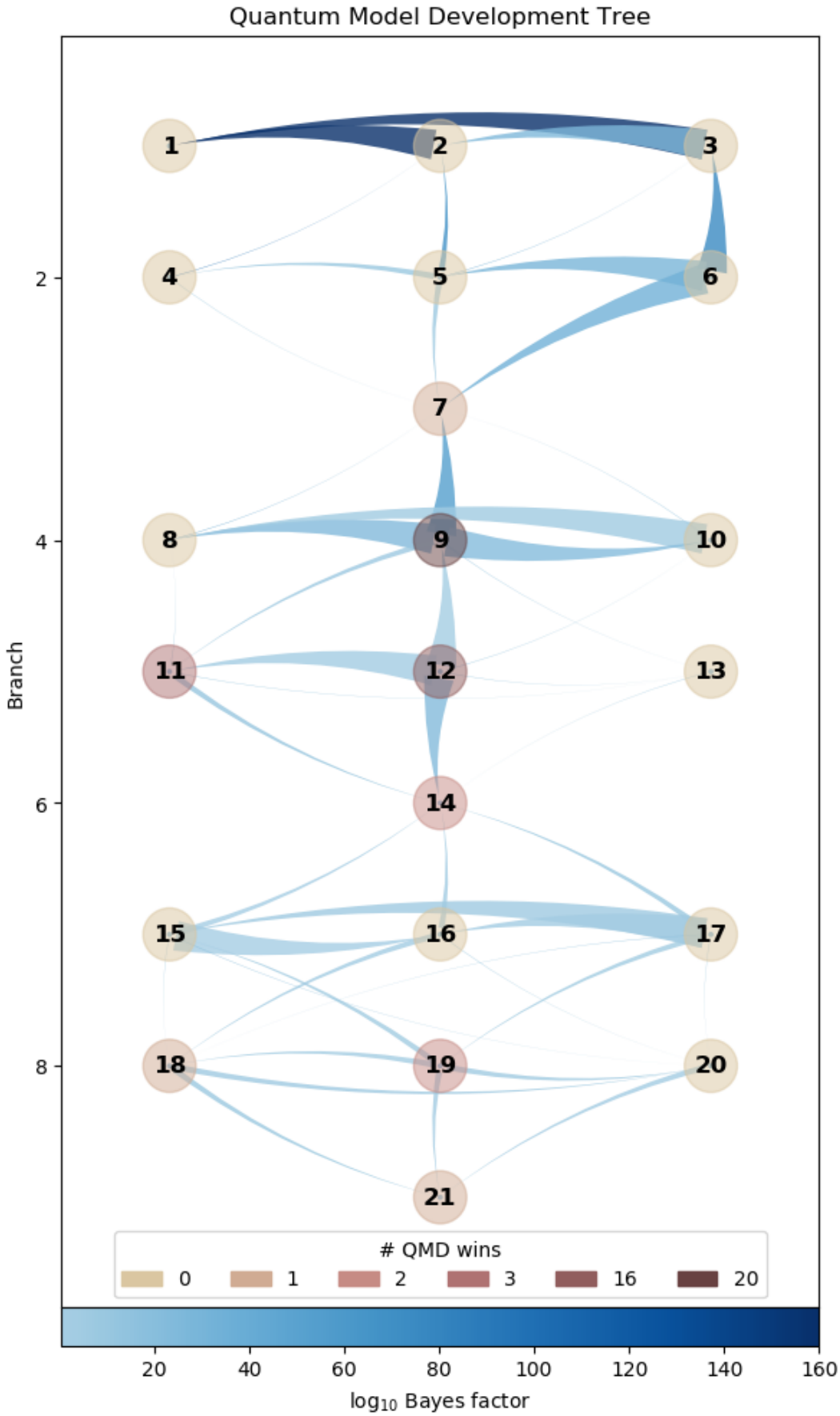


QMD Analysis [Sep_19/11_41]

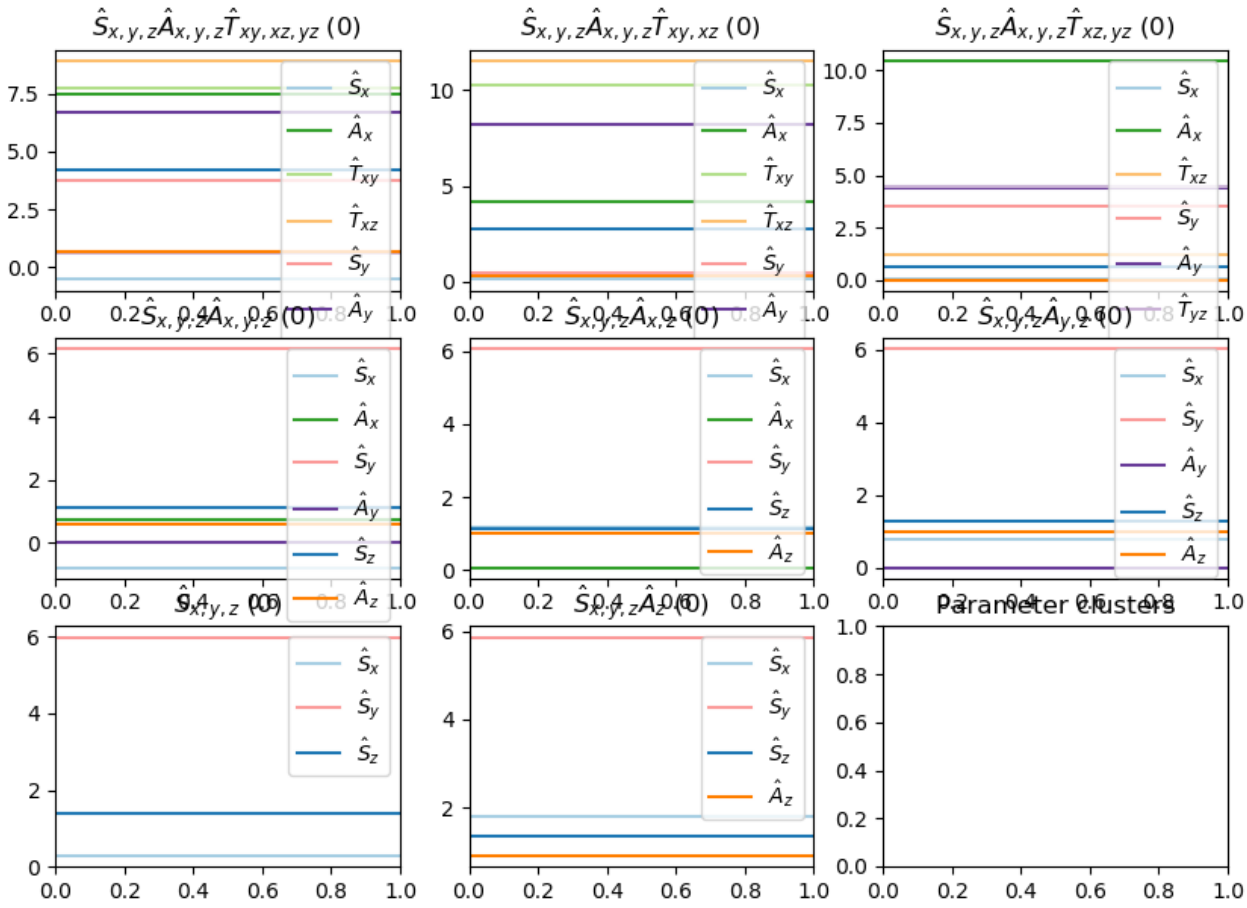


QMD Analysis [Sep_19/11_41]



ID	(Wins)	Model
1	(0)	$\hat{S}_x$
2	(0)	$\hat{S}_y$
3	(0)	$\hat{S}_z$
4	(0)	$\hat{S}_{x,y}$
5	(0)	$\hat{S}_{y,z}$
6	(0)	$\hat{S}_{x,z}$
7	(1)	$\hat{S}_{x,y,z}$
8	(0)	$\hat{S}_{x,y,z}\hat{A}_x$
9	(20)	$\hat{S}_{x,y,z}\hat{A}_z$
10	(0)	$\hat{S}_{x,y,z}\hat{A}_y$
11	(3)	$\hat{S}_{x,y,z}\hat{A}_{x,z}$
12	(16)	$\hat{S}_{x,y,z}\hat{A}_{y,z}$
13	(0)	$\hat{S}_{x,y,z}\hat{A}_{x,y}$
14	(2)	$\hat{S}_{x,y,z}\hat{A}_{x,y,z}$
15	(0)	$\hat{S}_{x,y,z}\hat{A}_{x,y,z}\hat{T}_{xz}$
16	(0)	$\hat{S}_{x,y,z}\hat{A}_{x,y,z}\hat{T}_{xy}$
17	(0)	$\hat{S}_{x,y,z}\hat{A}_{x,y,z}\hat{T}_{yz}$
18	(1)	$\hat{S}_{x,y,z}\hat{A}_{x,y,z}\hat{T}_{xy,xz}$
19	(2)	$\hat{S}_{x,y,z}\hat{A}_{x,y,z}\hat{T}_{xz,yz}$
20	(0)	$\hat{S}_{x,y,z}\hat{A}_{x,y,z}\hat{T}_{xy,yz}$
21	(1)	$\hat{S}_{x,y,z}\hat{A}_{x,y,z}\hat{T}_{xy,xz,yz}$

QMD Analysis [Sep_19/11_41]



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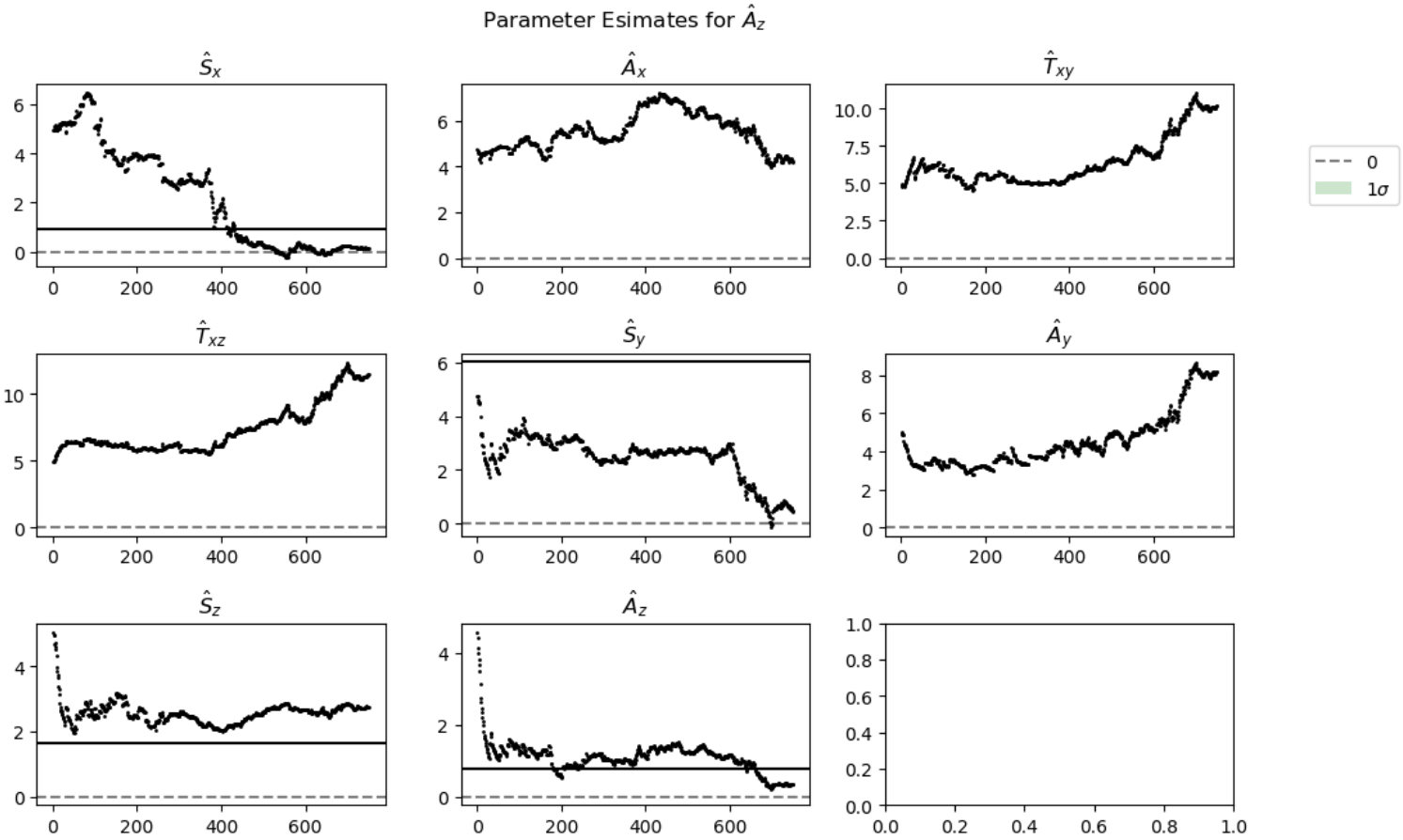

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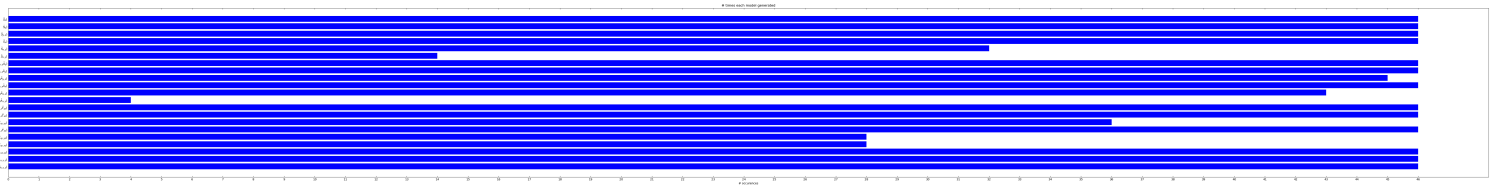
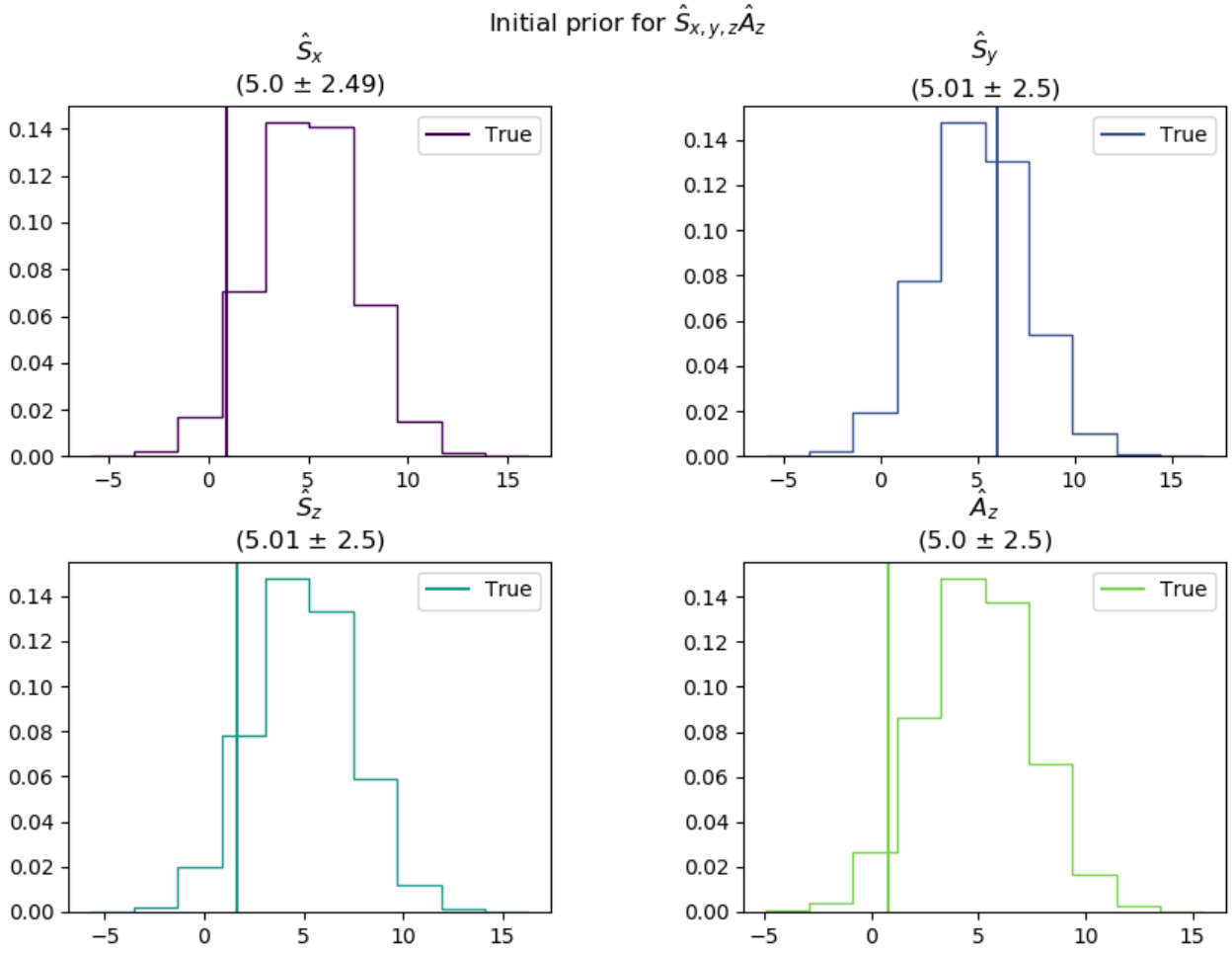
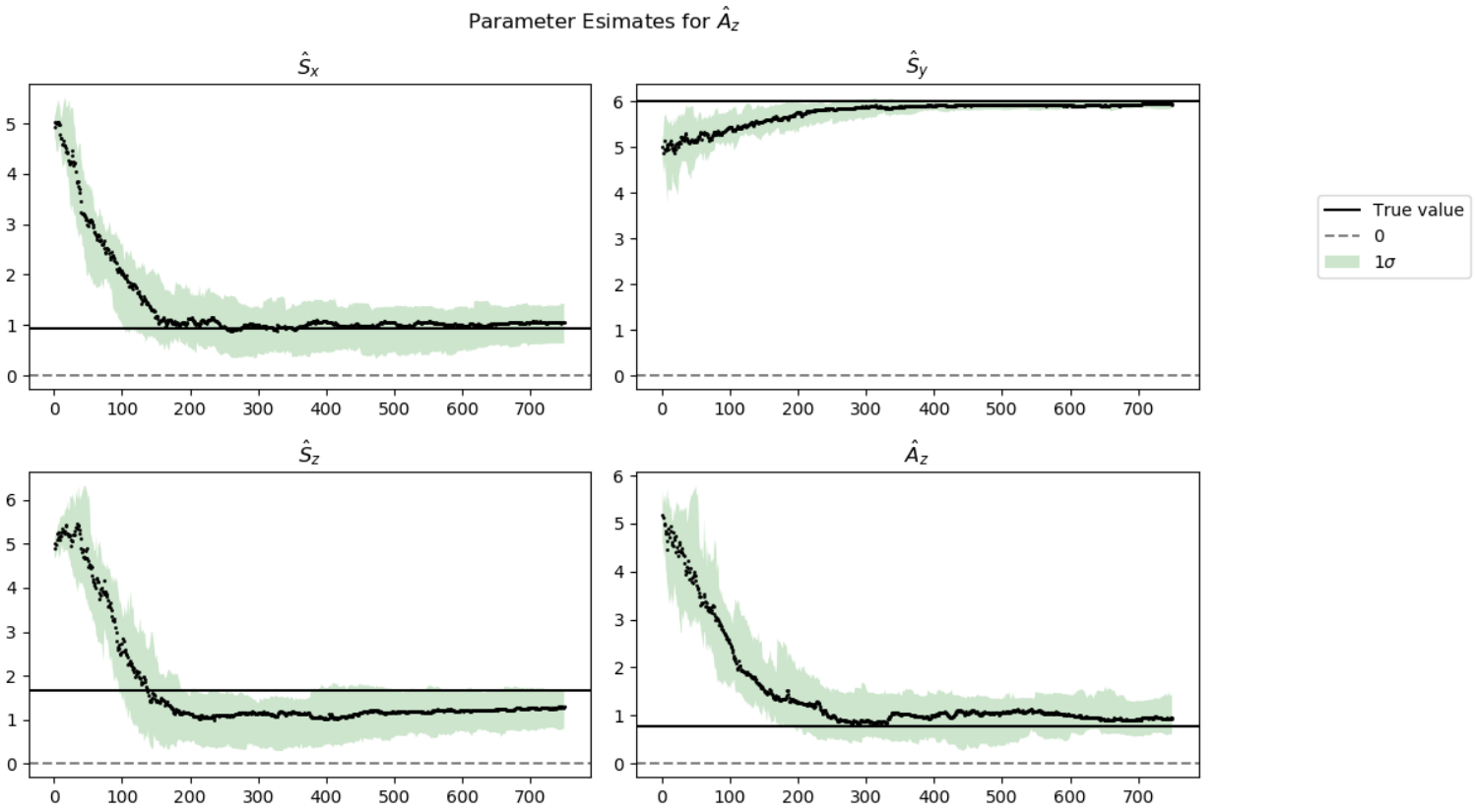


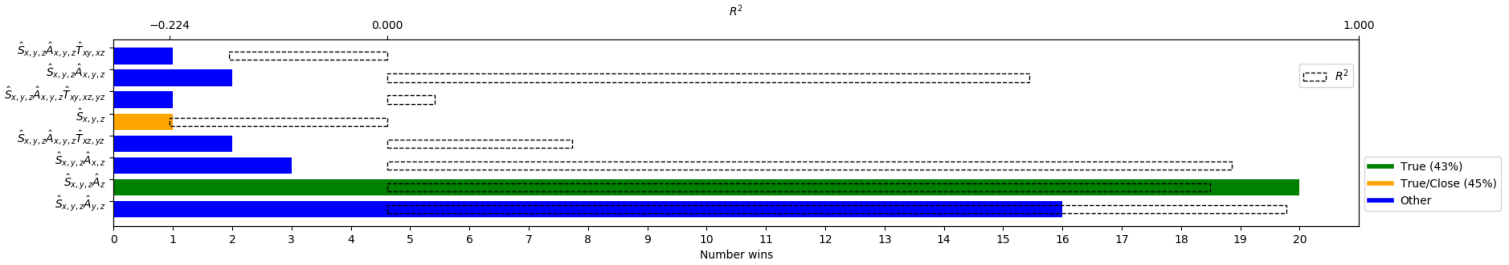
QMD Analysis [Sep_19/11_41]



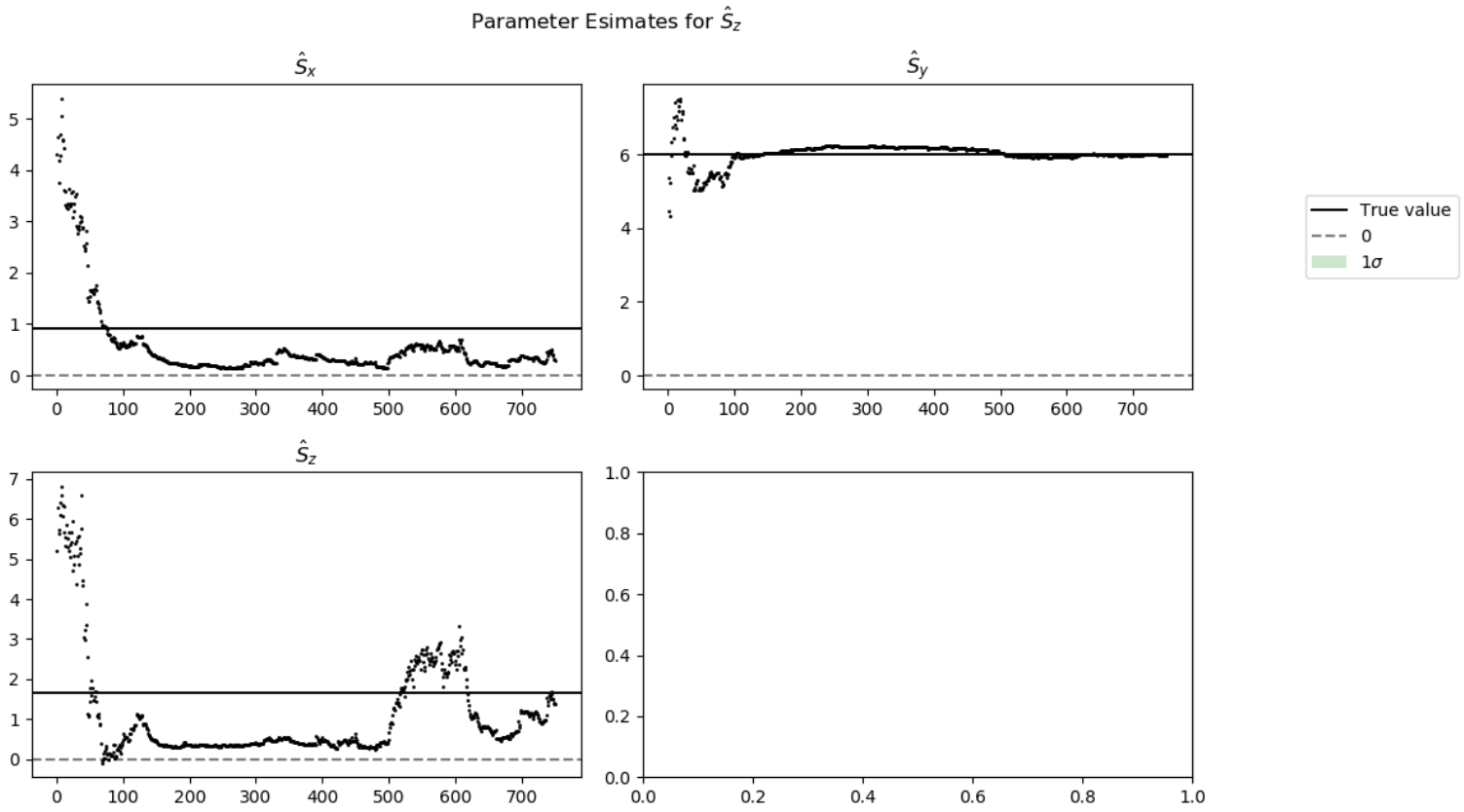
QMD Analysis [Sep_19/11_41]



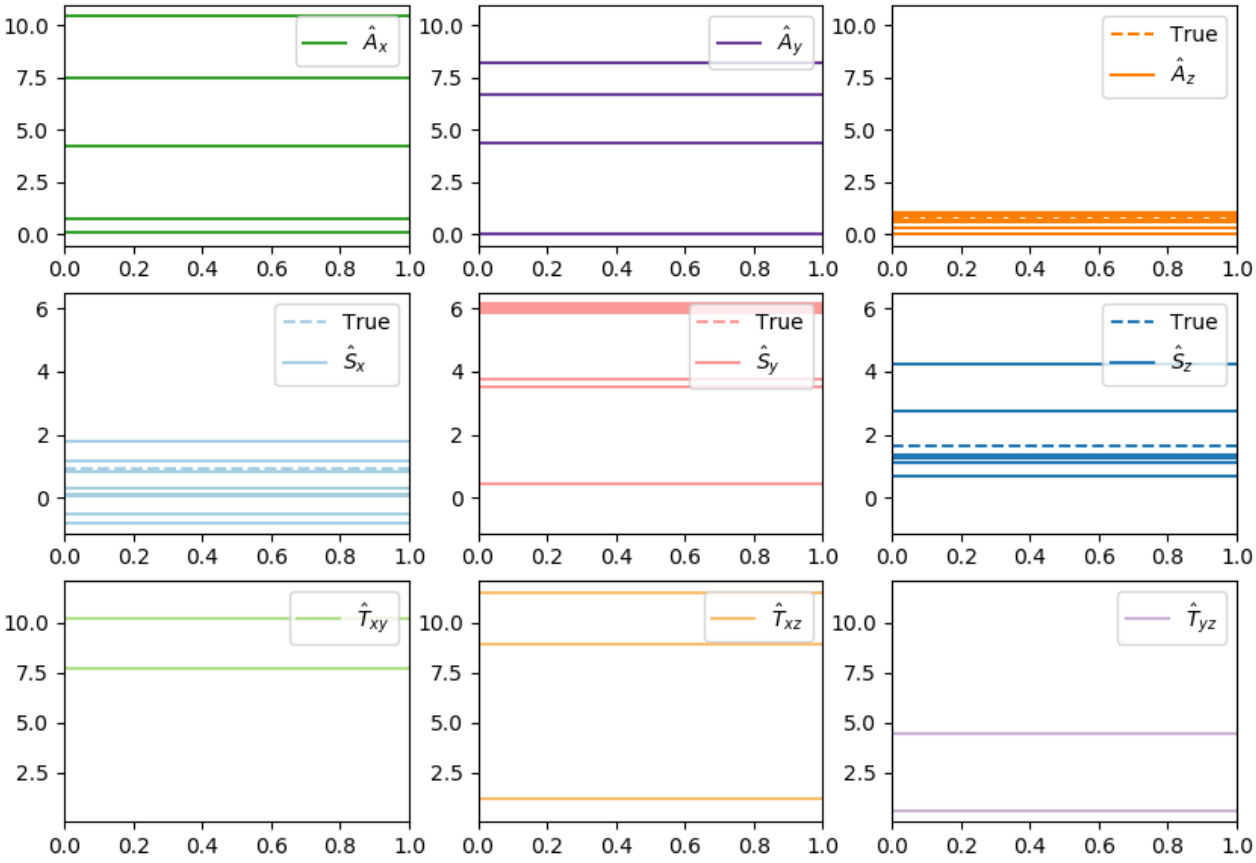
QMD Analysis [Sep_19/11_41]



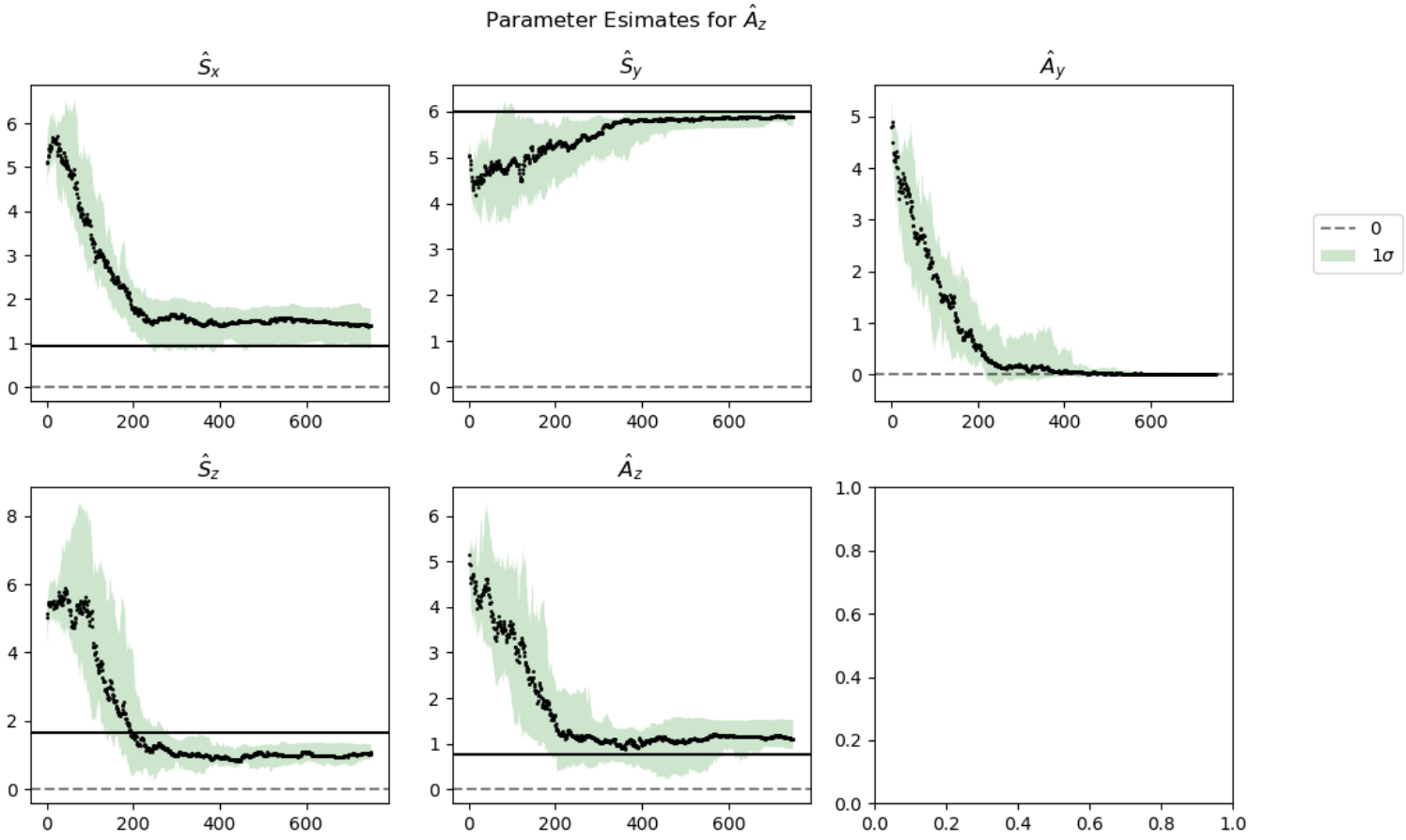
QMD Analysis [Sep_19/11_41]



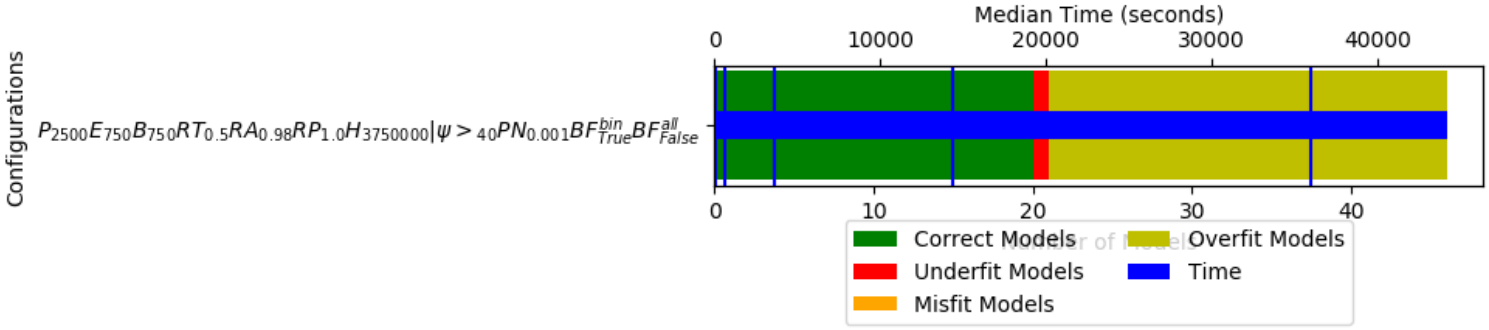
QMD Analysis [Sep_19/11_41]



QMD Analysis [Sep_19/11_41]



QMD Analysis [Sep_19/11_41]



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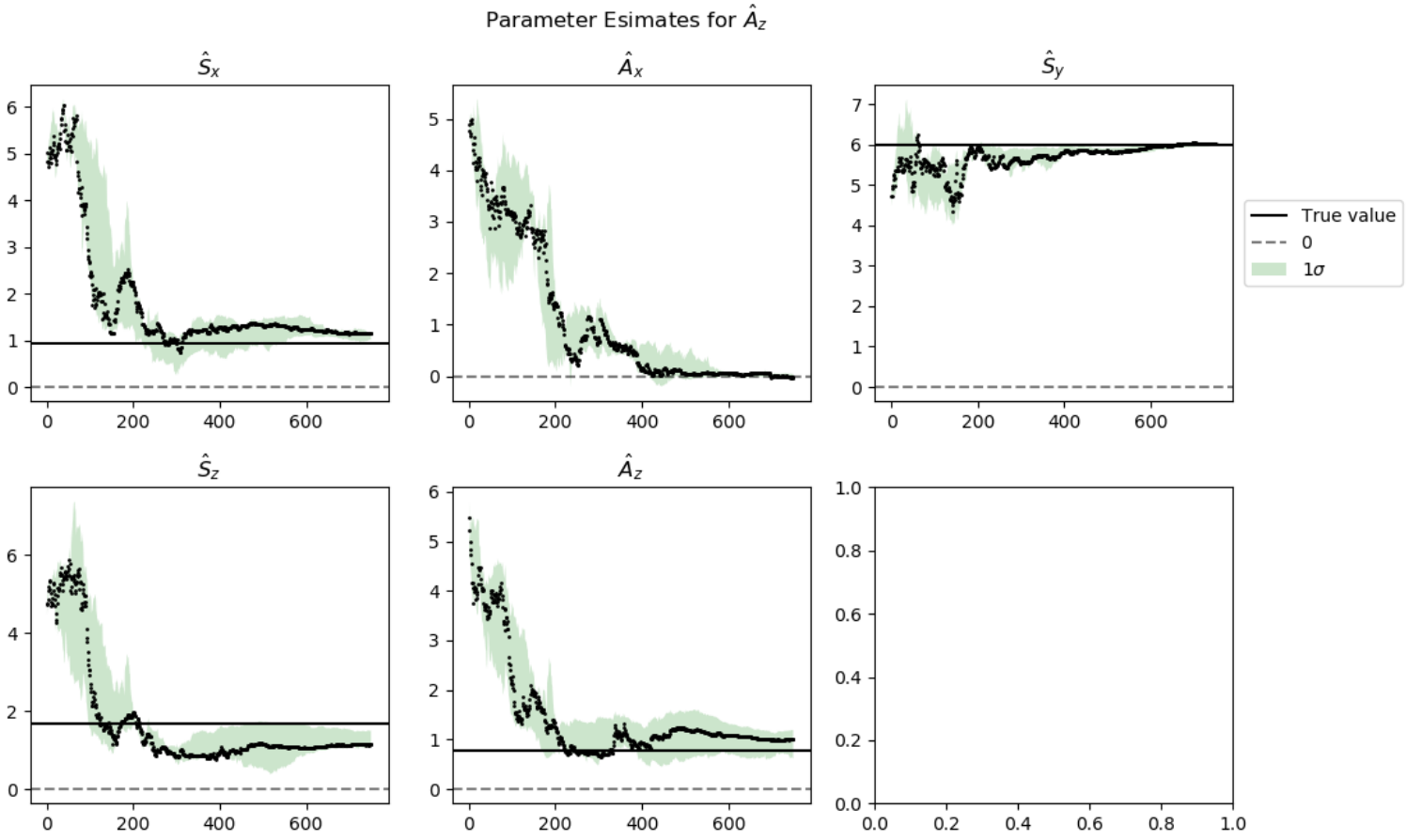

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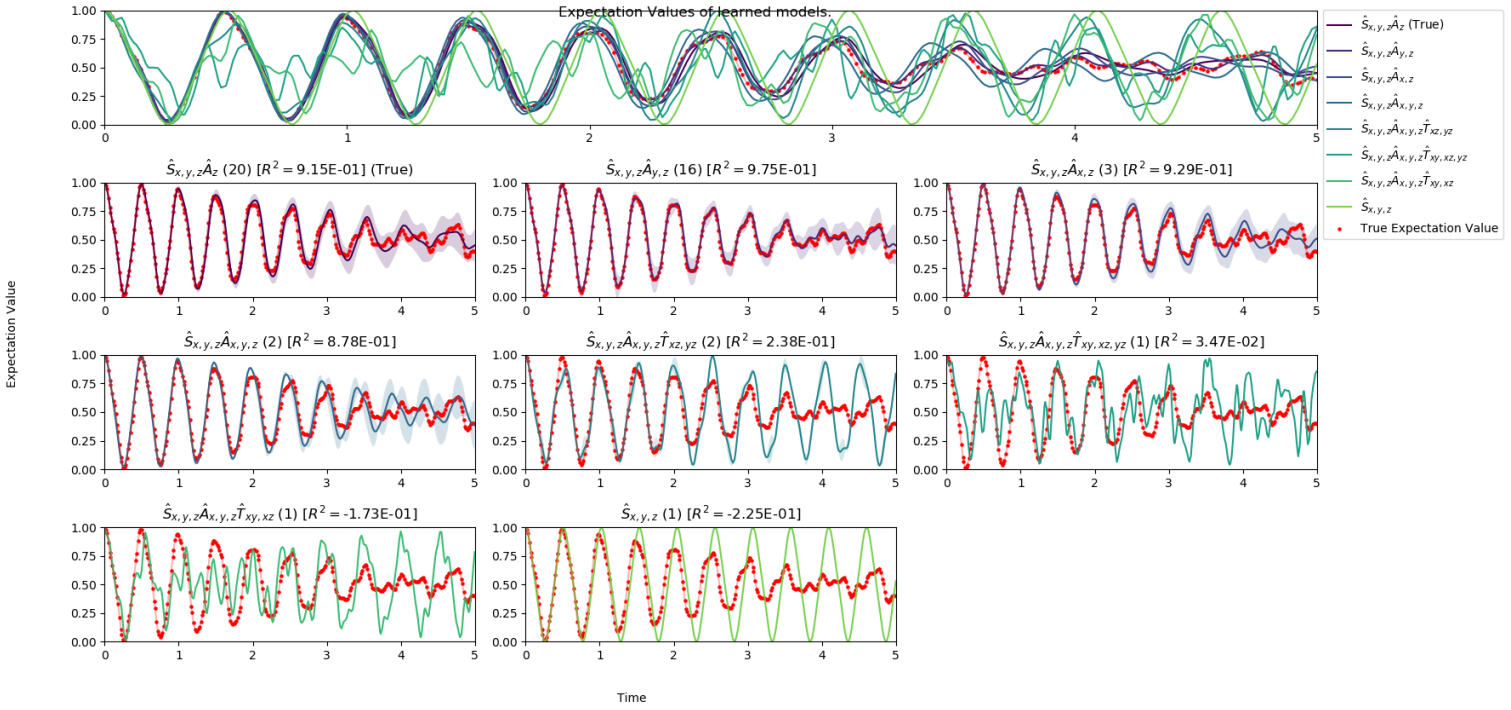

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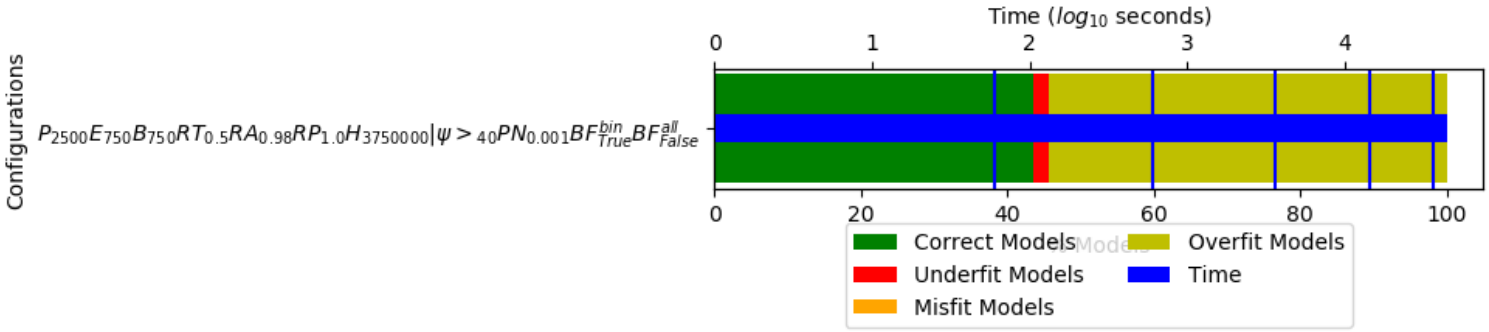

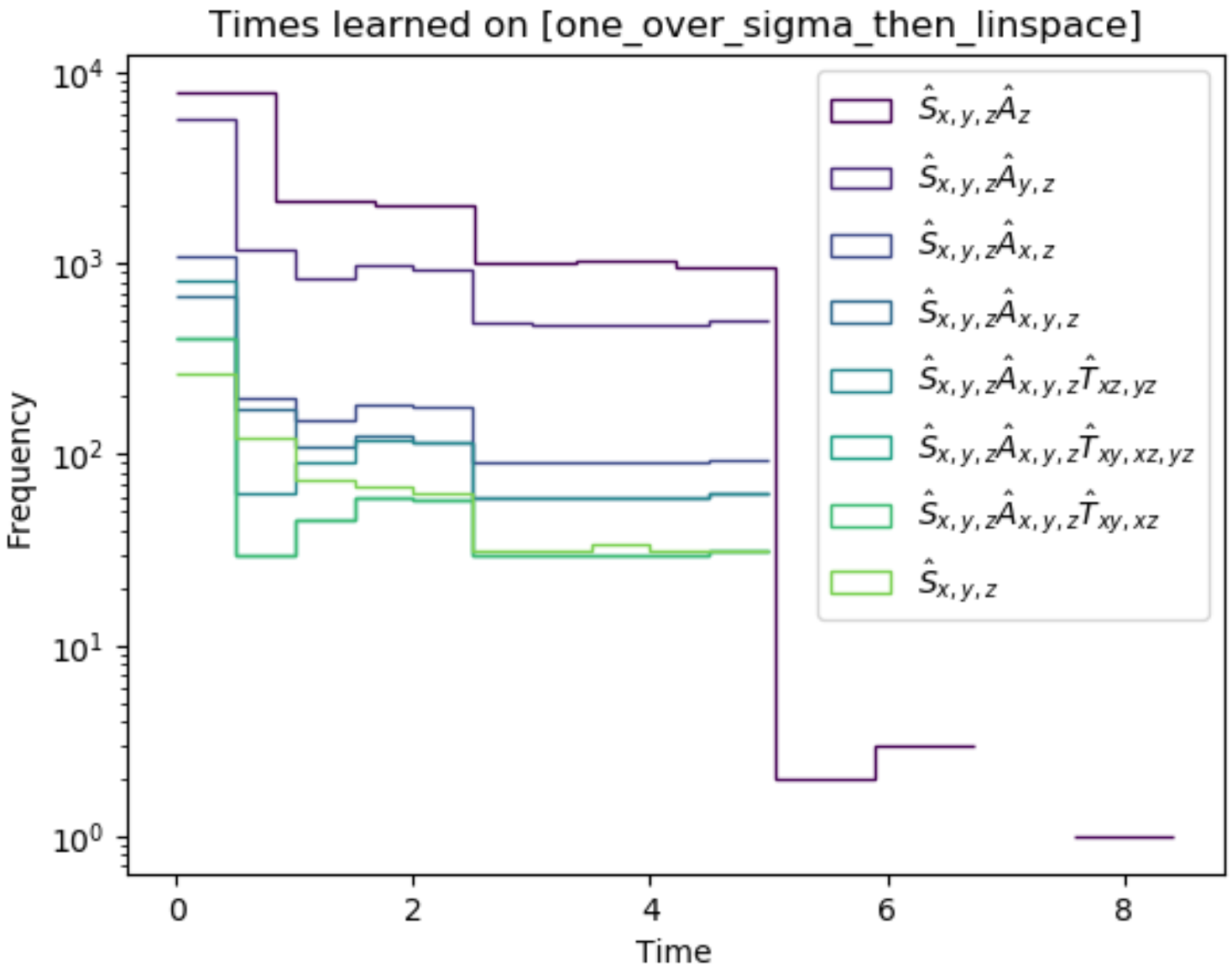
Times learned on [one_over_sigma_then_linspace]
Frequency
Time
10^4
10^3
10^2
10^1
10^0
0
2
4
6
8
$\hat{S}_{x,y,z}\hat{A}_z$
$\hat{S}_{x,y,z}\hat{A}_{y,z}$
$\hat{S}_{x,y,z}\hat{A}_{x,z}$
$\hat{S}_{x,y,z}\hat{A}_{x,y,z}$
$\hat{S}_{x,y,z}\hat{A}_{x,y,z}\hat{T}_{xz,yz}$
$\hat{S}_{x,y,z}\hat{A}_{x,y,z}\hat{T}_{xy,xz,yz}$
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$\hat{S}_{x,y,z}$

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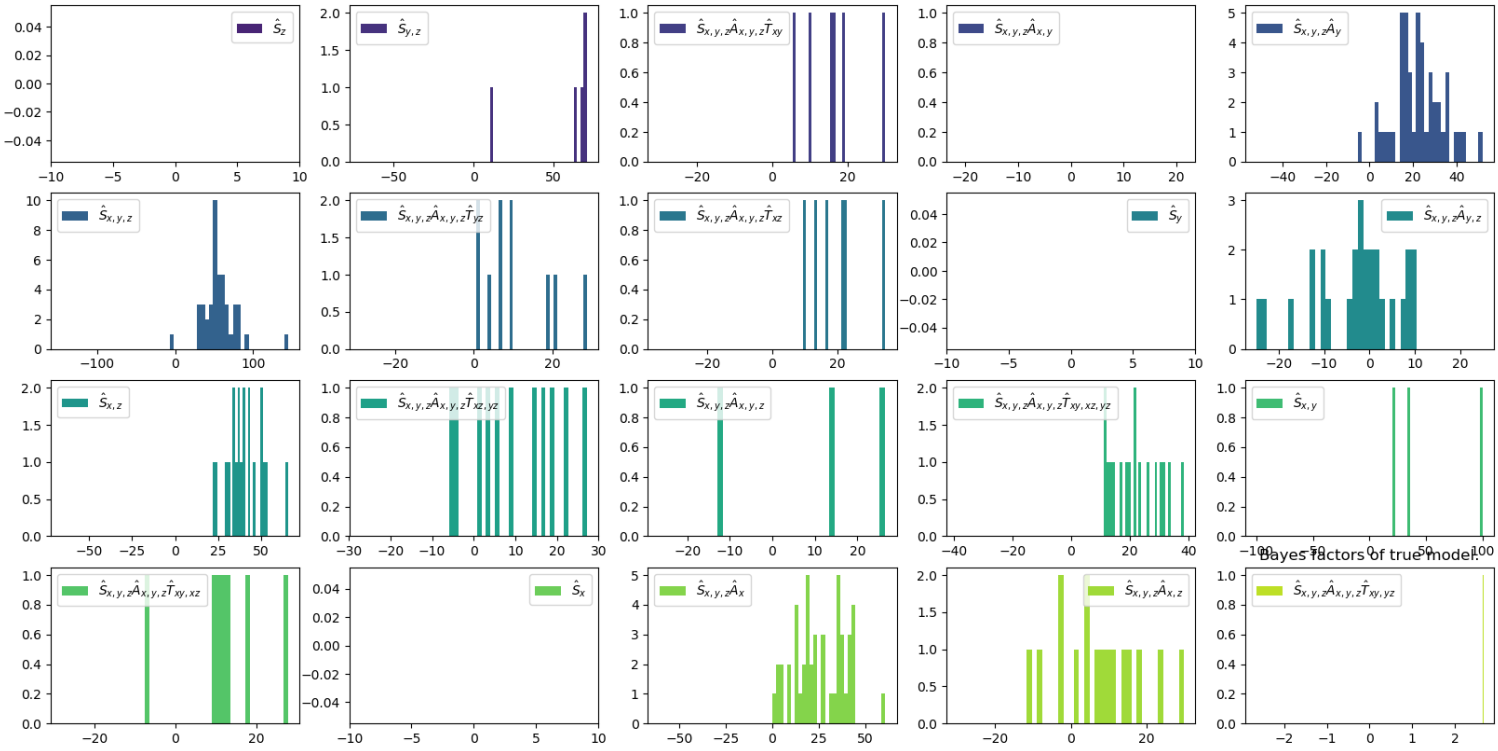

Bayes factors of true model: