

Cholesky Errors for Output Variable calcite_flush_5_nondim on Testing Data Pivoted Chol Error Pivoted Chol Error 0.25 0.50 0.75 0.00 0.50 1.00 0.00 0.25 0.75 Scaled curr_diffusion_coef Scaled curr_inflow_rate Pivoted Chol Error Pivoted Chol Error 0.50 0.00 0.25 0.75 1.00 0.25 0.50 0.75 1.00 0.00 Scaled curr_porosity Scaled curr_gypsum_rate_constant Pivoted Chol Error Pivoted Chol Error 0.00 0.25 0.50 0.75 1.00 0.25 0.50 0.75 1.00 0.00 Scaled curr_gypsum_surface_area Scaled curr_calcite_rate_constant Pivoted Chol Error 0.00 0.25 0.50 0.75 1.00 Scaled curr_calcite_surface_area

Cholesky Errors for Output Variable calcite_flush_6_nondim on Testing Data Pivoted Chol Error Pivoted Chol Error 0.25 0.75 1.00 0.25 0.50 0.75 1.00 0.00 0.50 0.00 Scaled curr_diffusion_coef Scaled curr_inflow_rate Pivoted Chol Error Pivoted Chol Error 0.00 0.25 0.50 0.75 1.00 0.25 0.50 0.75 0.00 1.00 Scaled curr_porosity Scaled curr_gypsum_rate_constant Pivoted Chol Error Pivoted Chol Error 0.00 0.25 0.50 0.75 1.00 0.25 0.50 0.75 0.00 1.00 Scaled curr_gypsum_surface_area Scaled curr_calcite_rate_constant Pivoted Chol Error 0.75 0.00 0.25 0.50 1.00 Scaled curr_calcite_surface_area

Cholesky Errors for Output Variable calcite_flush_7_nondim on Testing Data Pivoted Chol Error Pivoted Chol Error 0.00 0.25 0.50 0.75 1.00 0.00 0.25 0.50 0.75 1.00 Scaled curr_inflow_rate Scaled curr_diffusion_coef Pivoted Chol Error Pivoted Chol Error 0.00 0.50 1.00 0.00 0.25 0.75 0.25 0.50 0.75 1.00 Scaled curr_porosity Scaled curr_gypsum_rate_constant Pivoted Chol Error Pivoted Chol Error 0.00 0.25 0.50 0.75 1.00 0.00 0.25 0.50 0.75 1.00 Scaled curr_gypsum_surface_area Scaled curr_calcite_rate_constant Pivoted Chol Error 0.00 0.25 0.50 0.75 1.00

Scaled curr_calcite_surface_area

Cholesky Errors for Output Variable calcite_flush_8_nondim on Testing Data Pivoted Chol Error Pivoted Chol Error 7.5 7.5 5.0 5.0 2.5 2.5 0.0 0.0 0.00 0.25 1.00 0.00 0.25 0.50 0.75 0.50 0.75 1.00 Scaled curr_diffusion_coef Scaled curr_inflow_rate Pivoted Chol Error Pivoted Chol Error 7.5 7.5 5.0 5.0 2.5 2.5 0.0 0.0 0.50 0.75 1.00 0.25 0.50 0.00 0.25 0.00 0.75 1.00 Scaled curr_porosity Scaled curr_gypsum_rate_constant Pivoted Chol Error Pivoted Chol Error 7.5 7.5 5.0 5.0 2.5 2.5 0.0 0.0 0.50 0.00 0.25 0.75 1.00 0.00 0.25 0.50 0.75 1.00 Scaled curr_gypsum_surface_area Scaled curr_calcite_rate_constant **Bivoted Chol Error** 2.5 0.0 0.0 0.50 0.75 0.00 0.25 1.00 Scaled curr_calcite_surface_area

