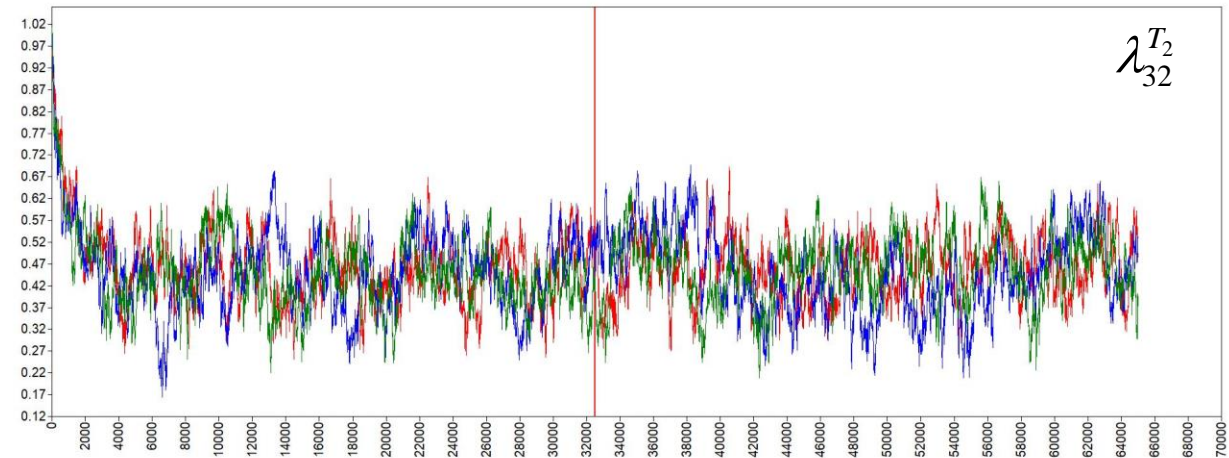
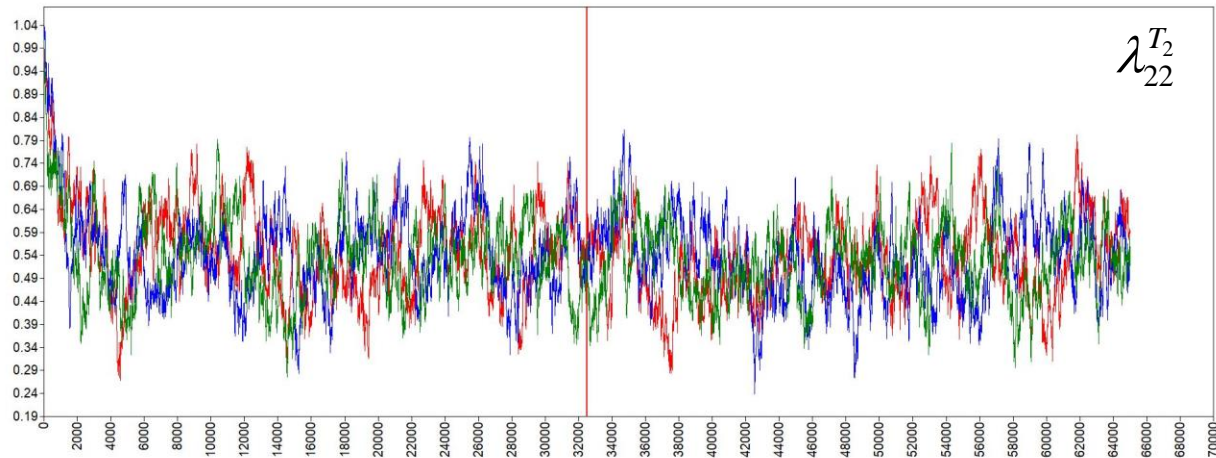
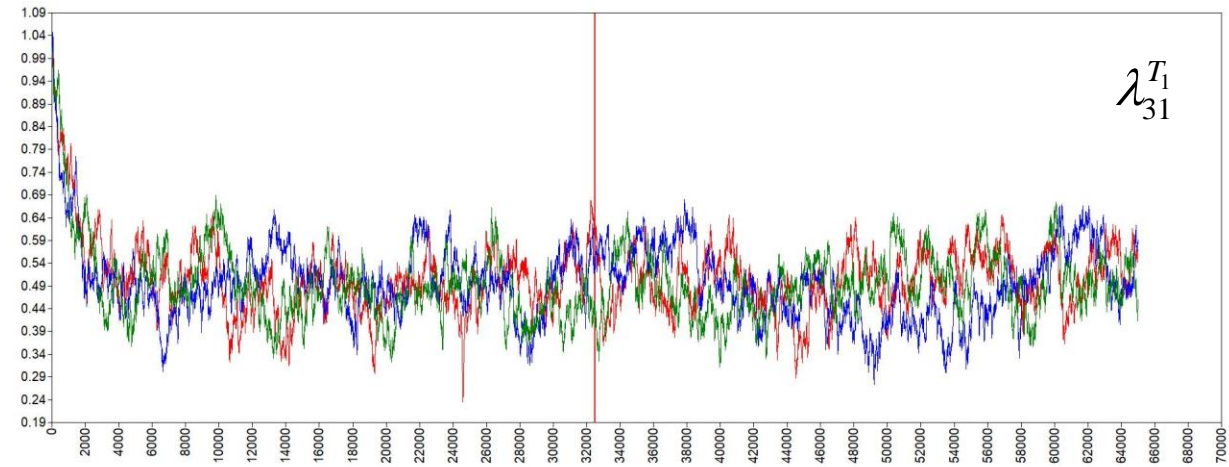
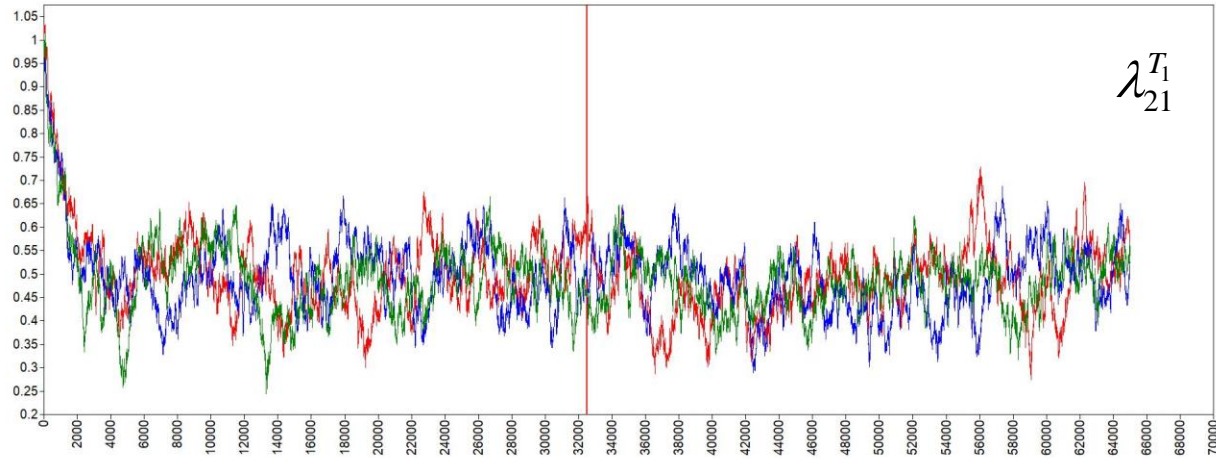


**Supplementary Material for the paper “Decomposing the True Score Variance in Rated Responses to Divergent Thinking-Tasks for Assessing Creativity: A Multitrait-Multimethod Analysis”:**

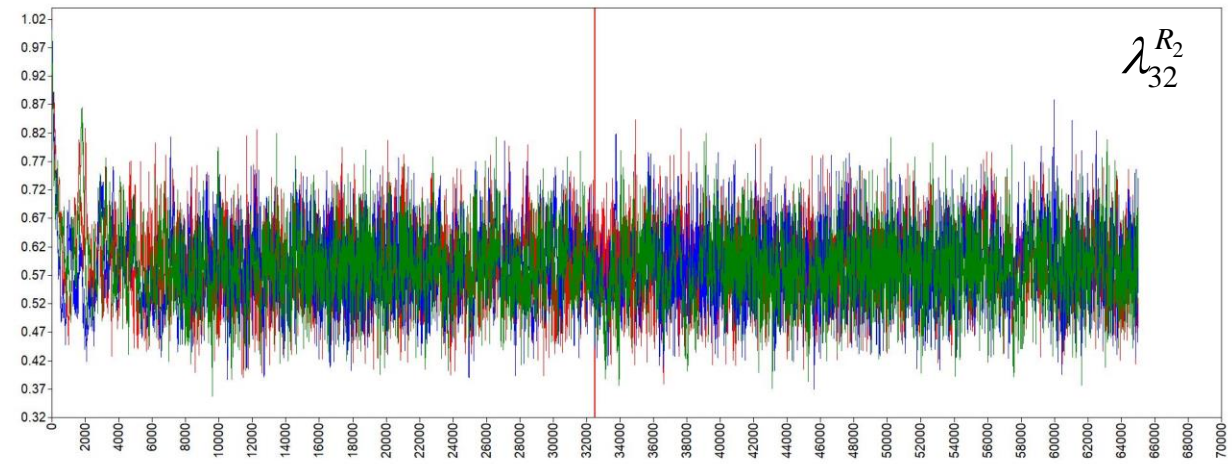
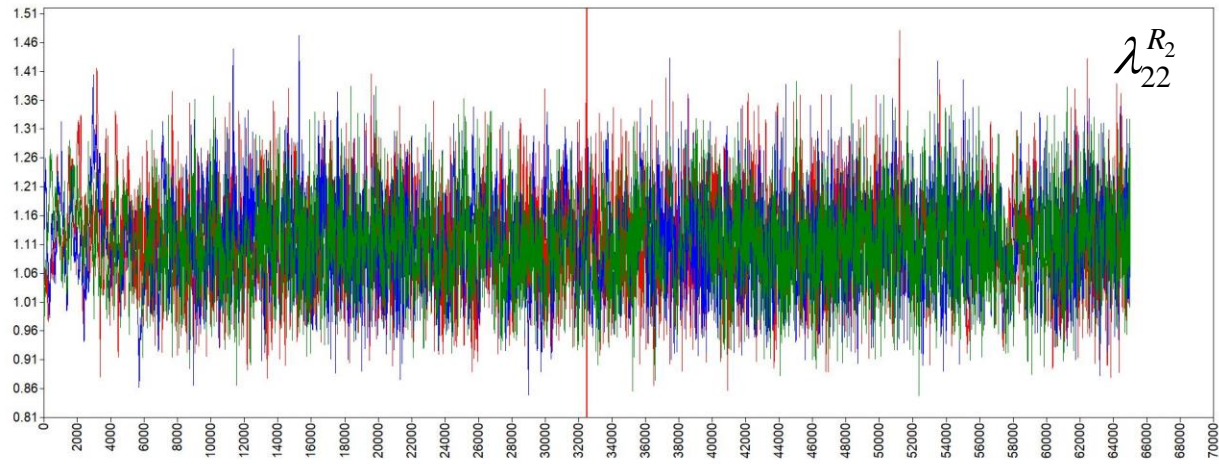
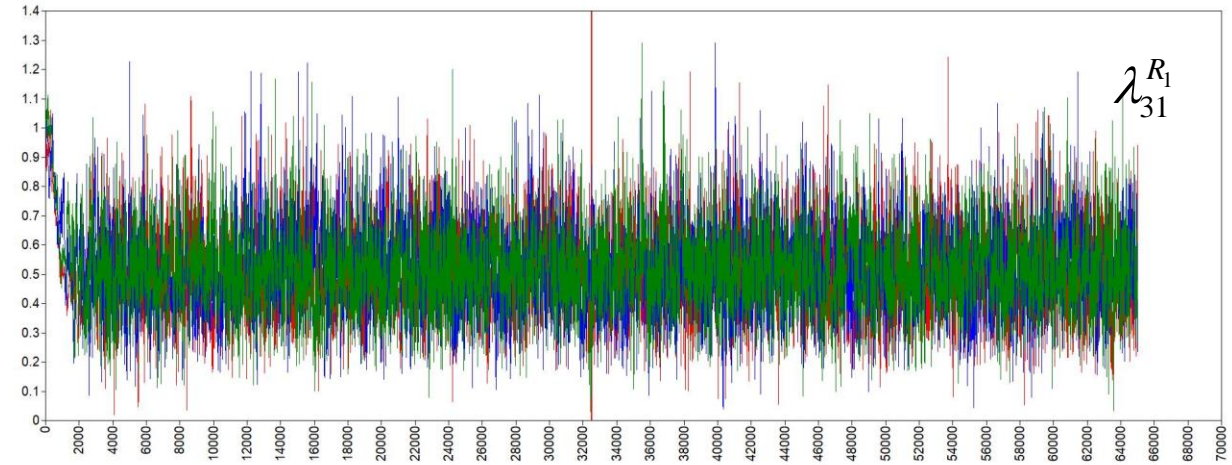
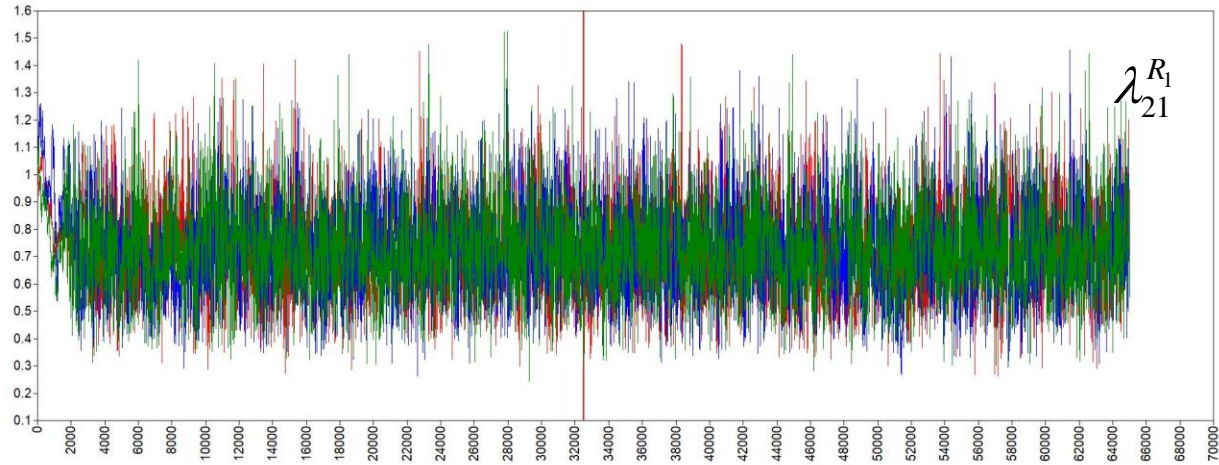
**Trace Plots for Bayesian Analyses**

This Document shows the trace plots for the parameters of the Divergent Thinking Cross-Classified Model (DTCC) and for the parameters of the Divergent Thinking Two-Level Model-B (DTTL-B) both estimated using Bayesian Markov Chain Monte Carlo simulation with the standard Gelman-Rubin criterion (highest acceptable potential scale reduction factor = 1.1). The plots shown on pages 2 – 10 refer to the DTCC; the plots shown on pages 11 – 18 refer to the DTTL-B. The parameter for each plot is depicted in the upper right corner of the plot. The same parameter labels as in the main manuscript are used (see, for example, Figure 2 and Table 2). Each plot is structured in the same way. The x-axis depicts the iterations, the y-axis depicts the parameter-space. The vertical red line in each plot marks the end of the first half of all iterations. Posterior parameter distributions are based on the second half of all iterations (the first half was treated as burn-in). Three chains were used, each represented by a differently colored trace-line (blue, green, and red).

# DTCC

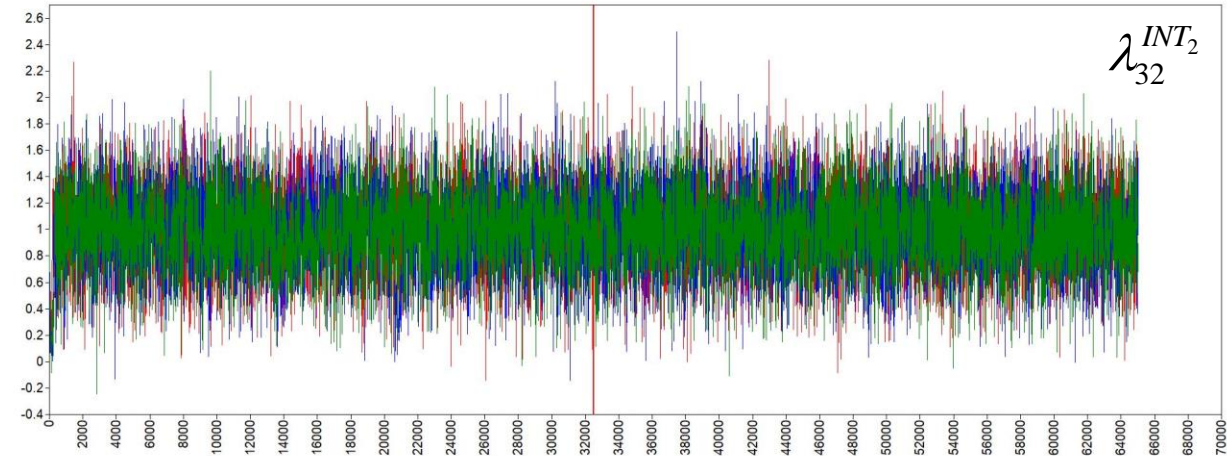
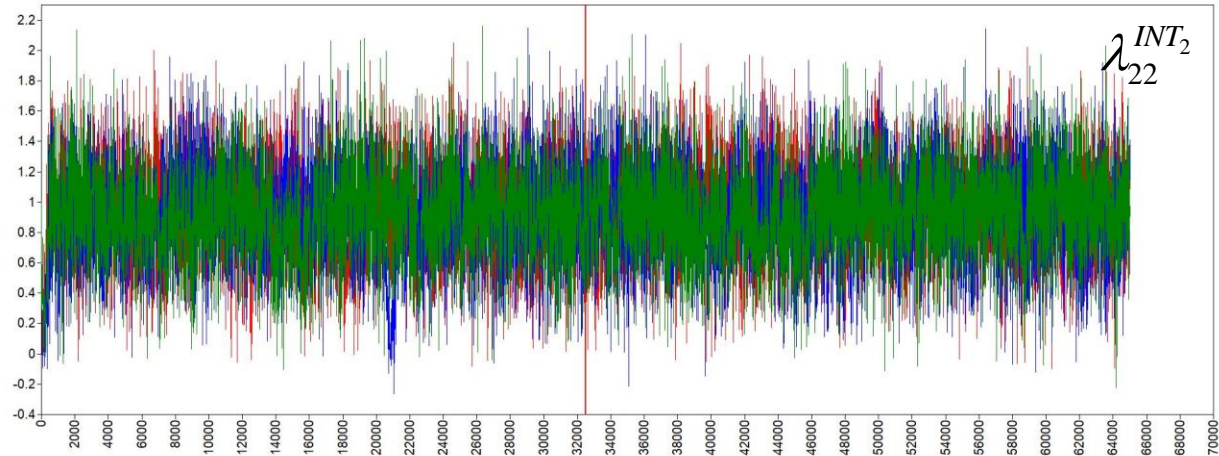
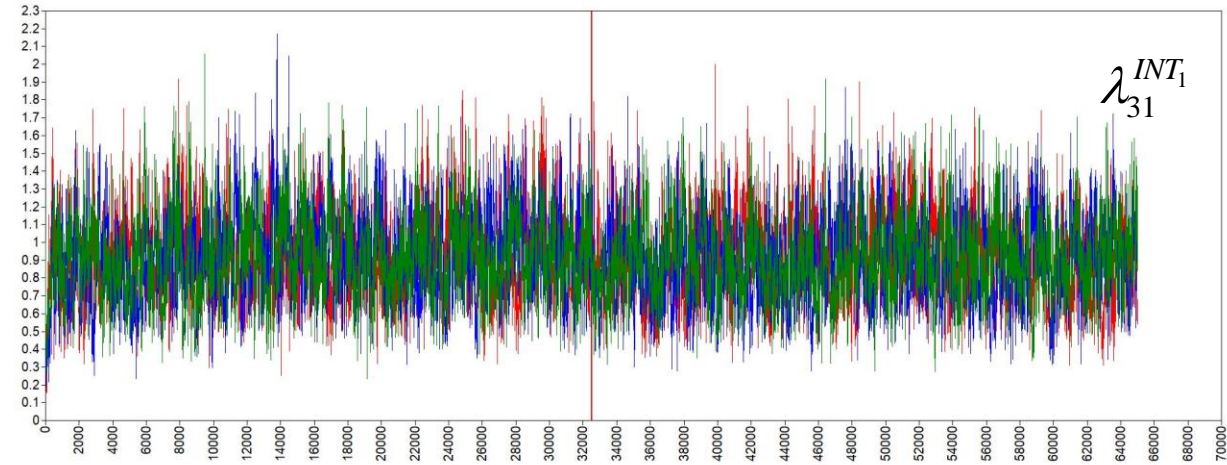
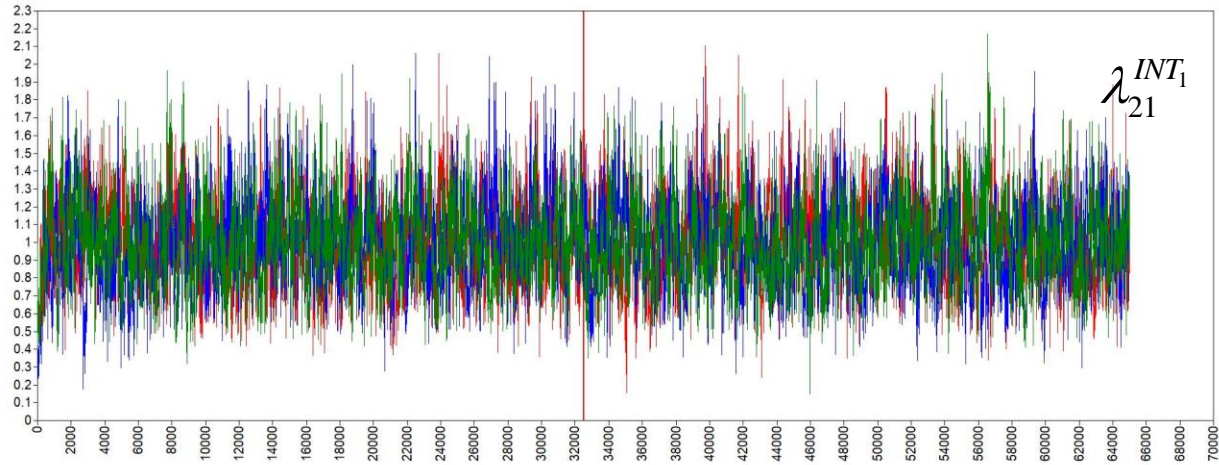


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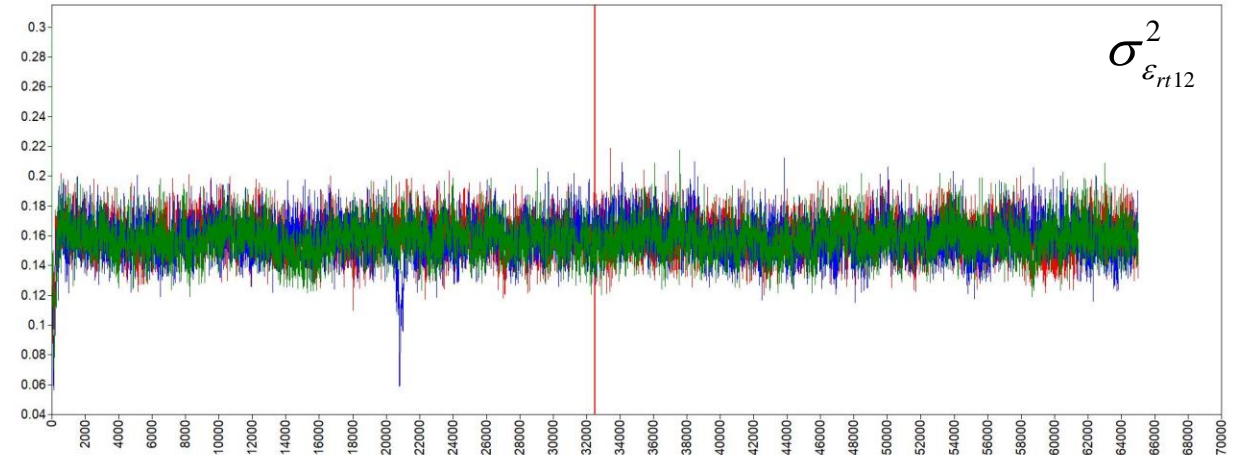
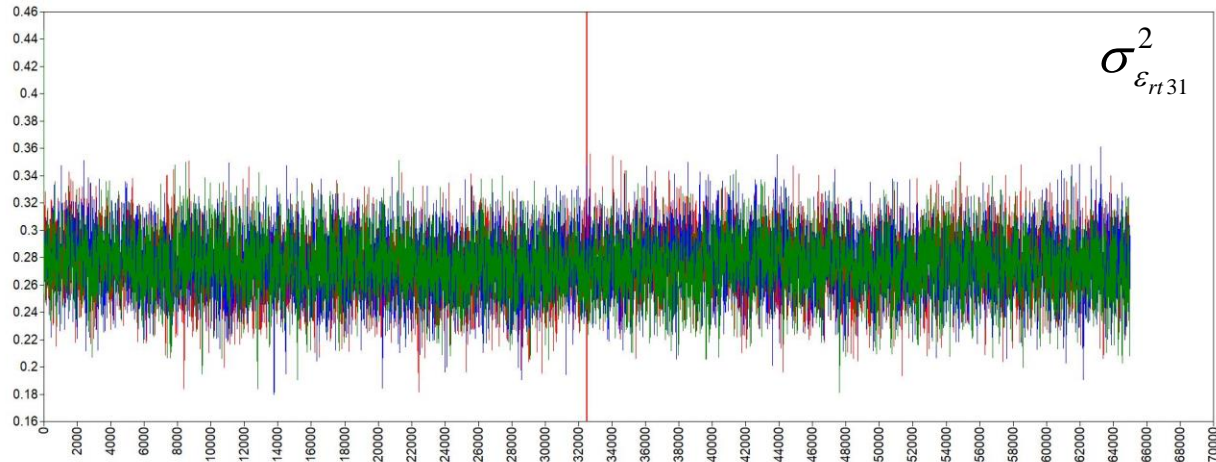
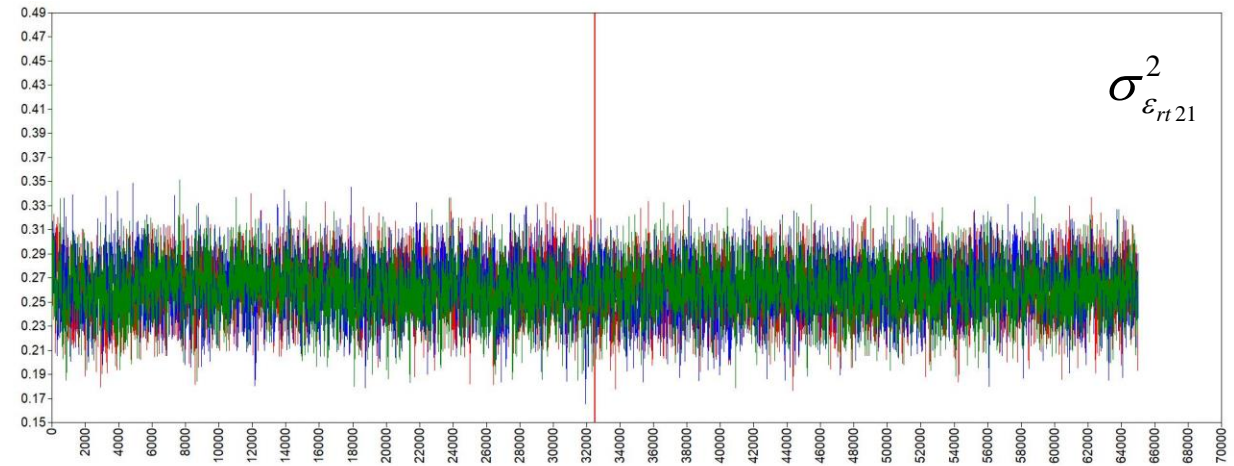
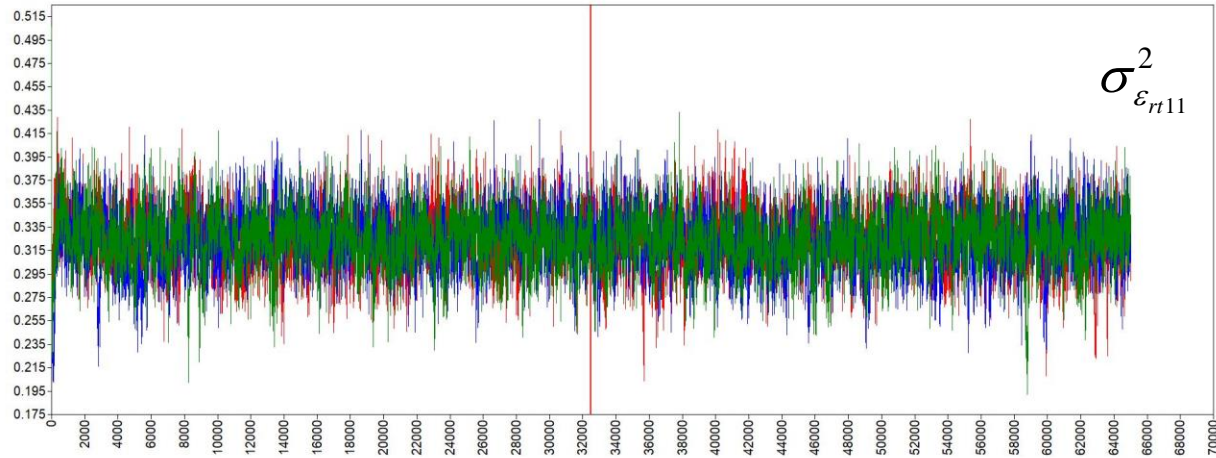




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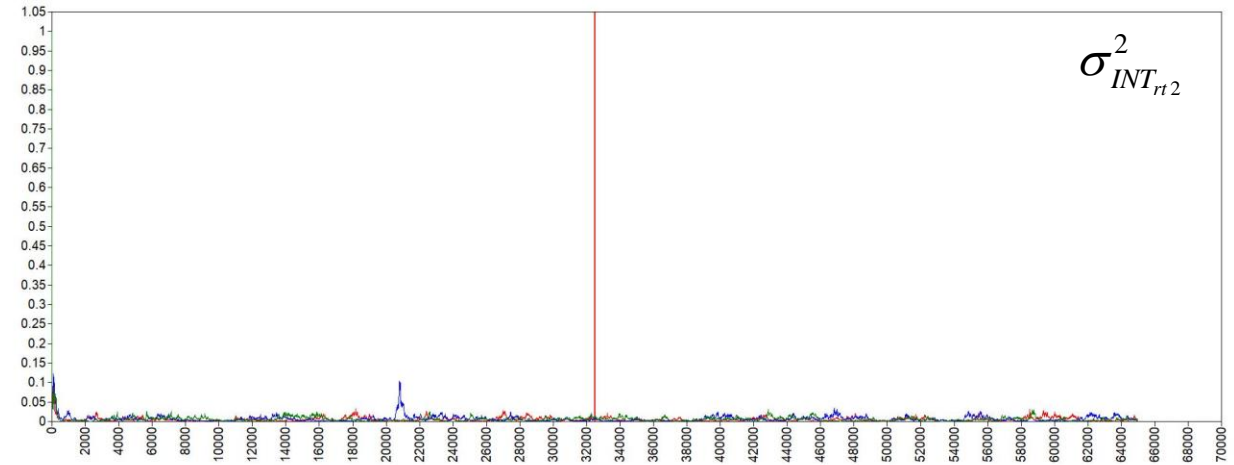
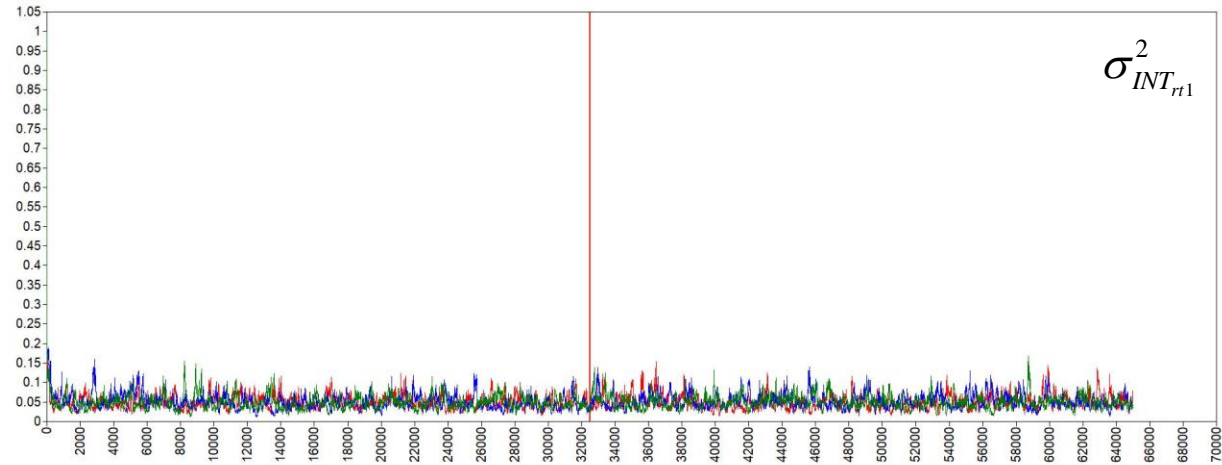
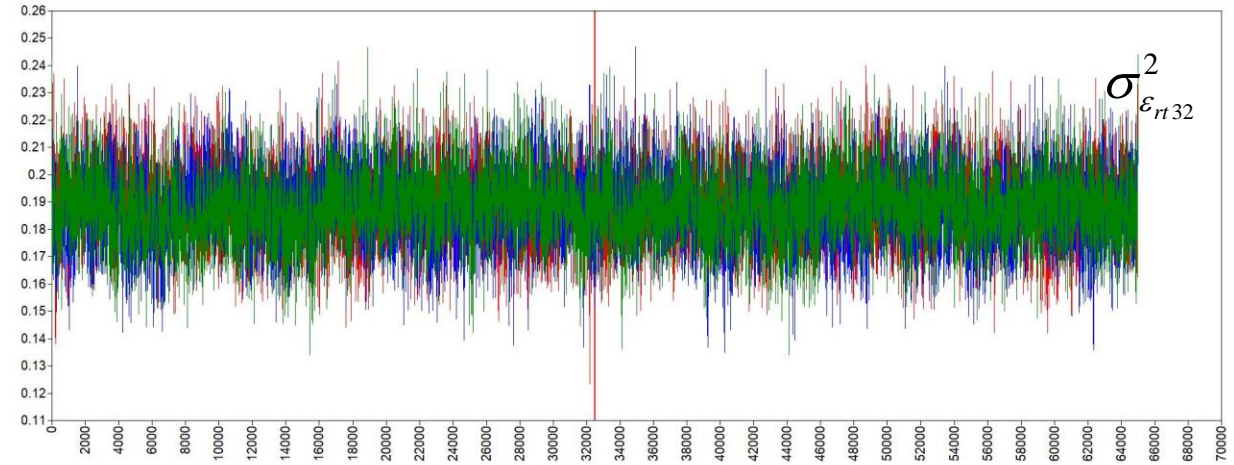
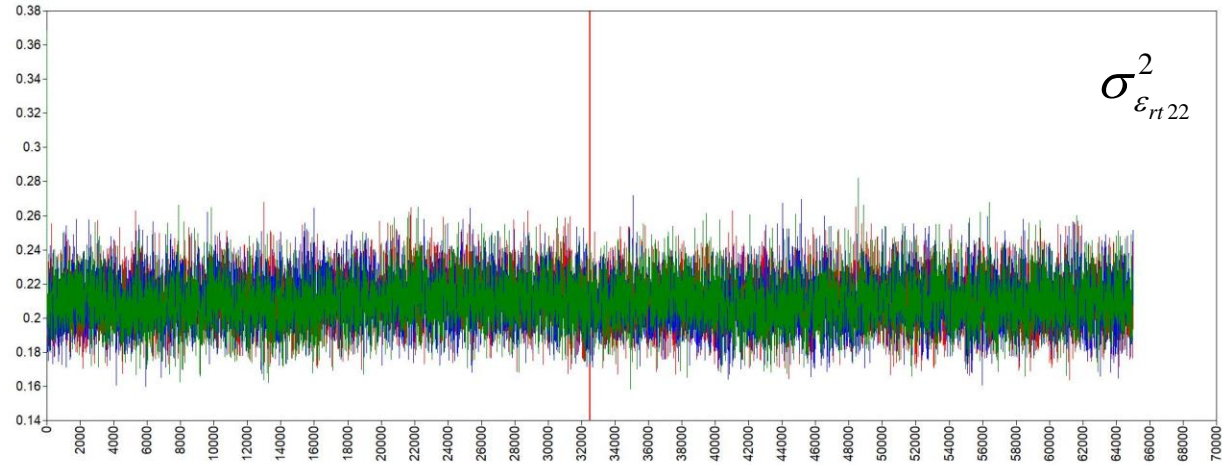


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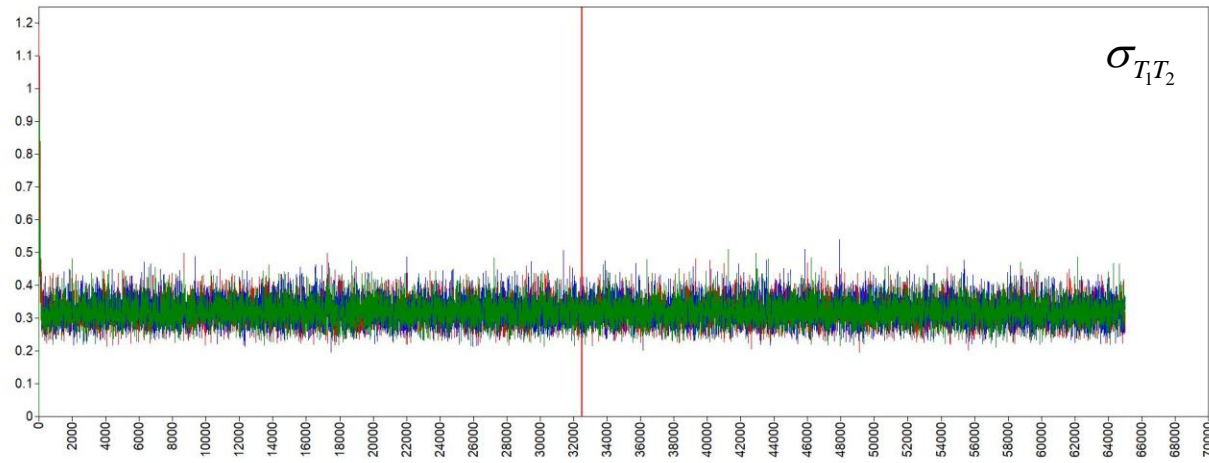
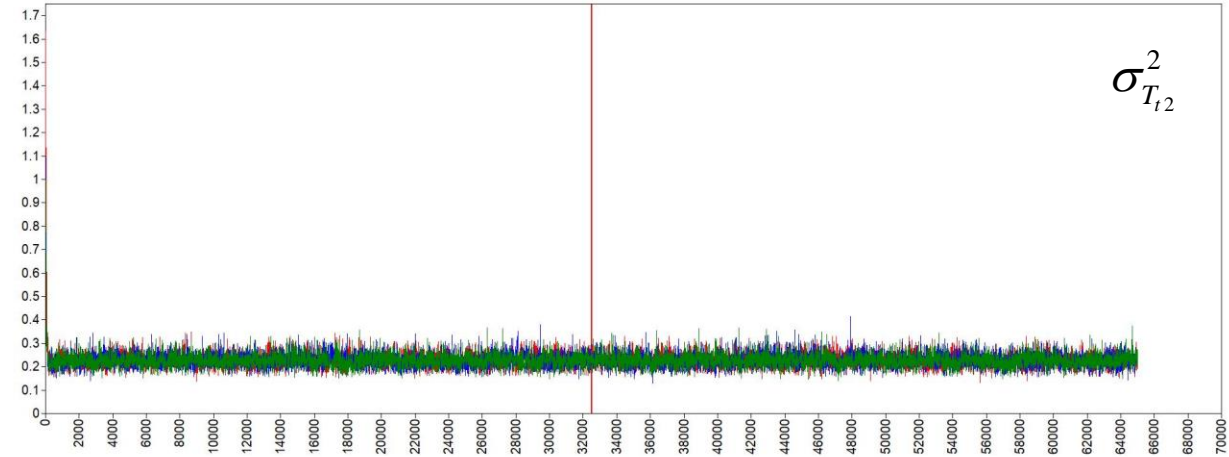
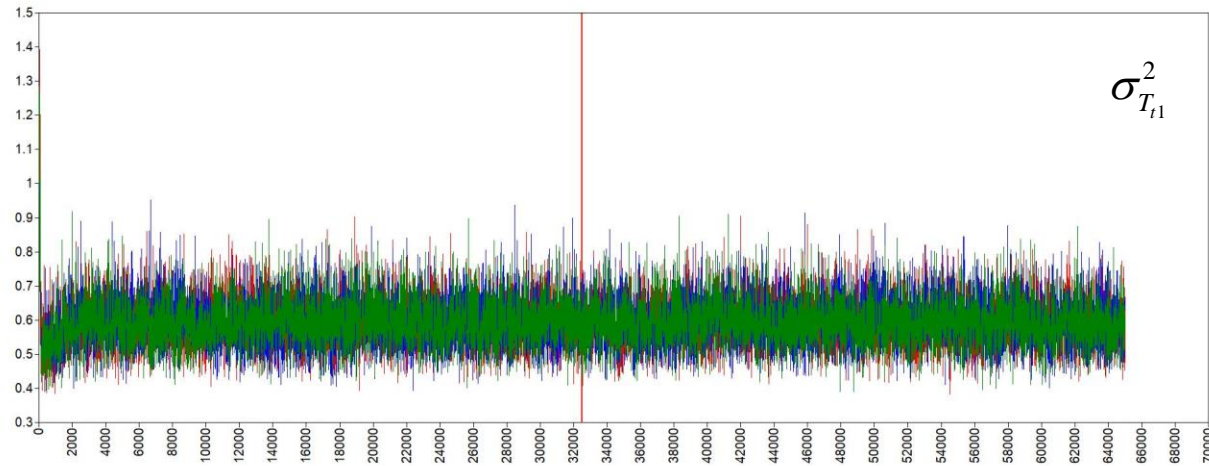




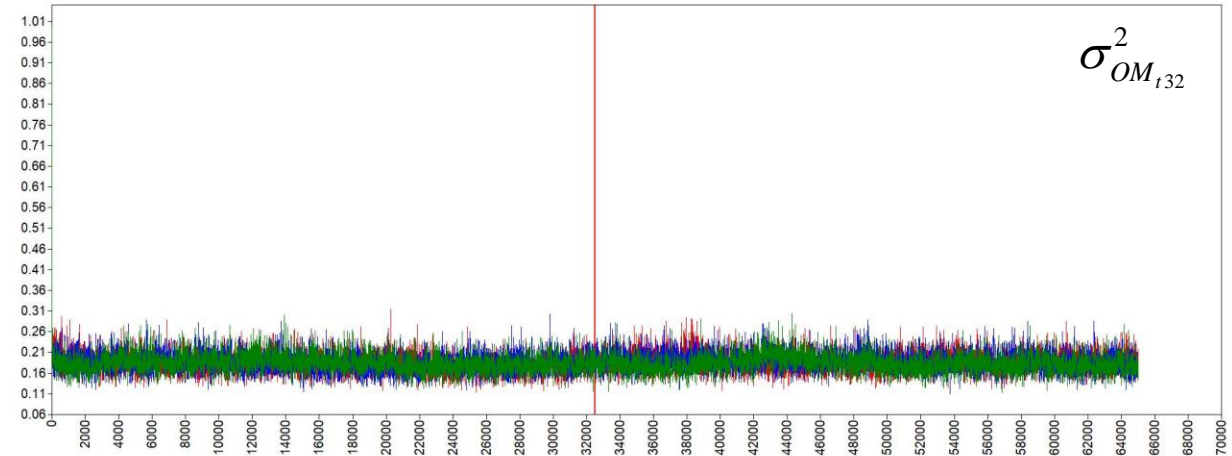
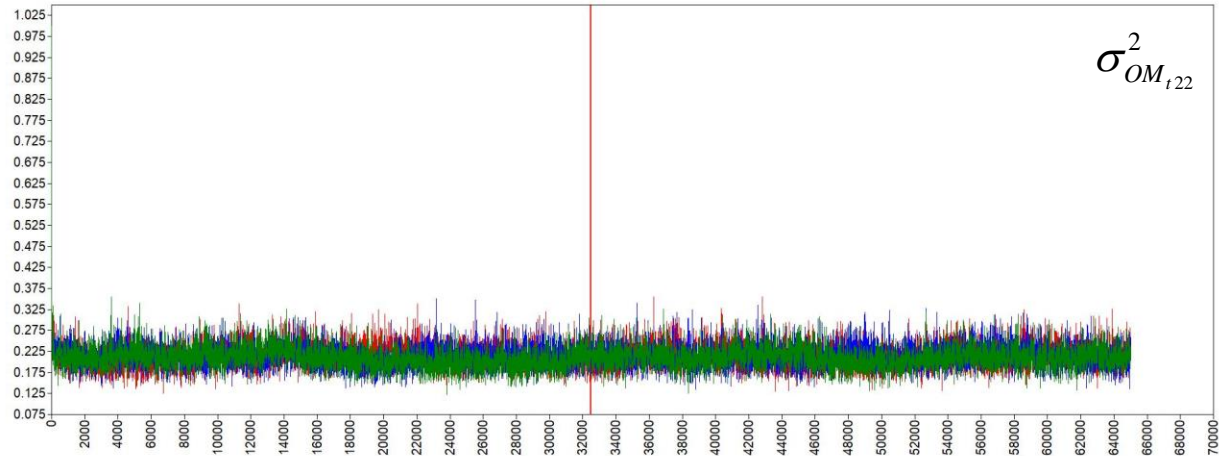
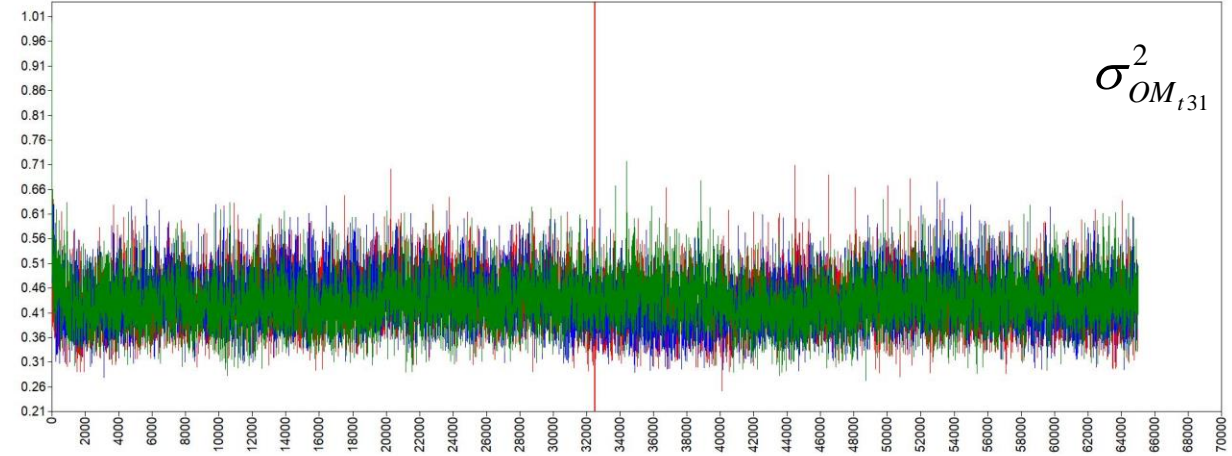
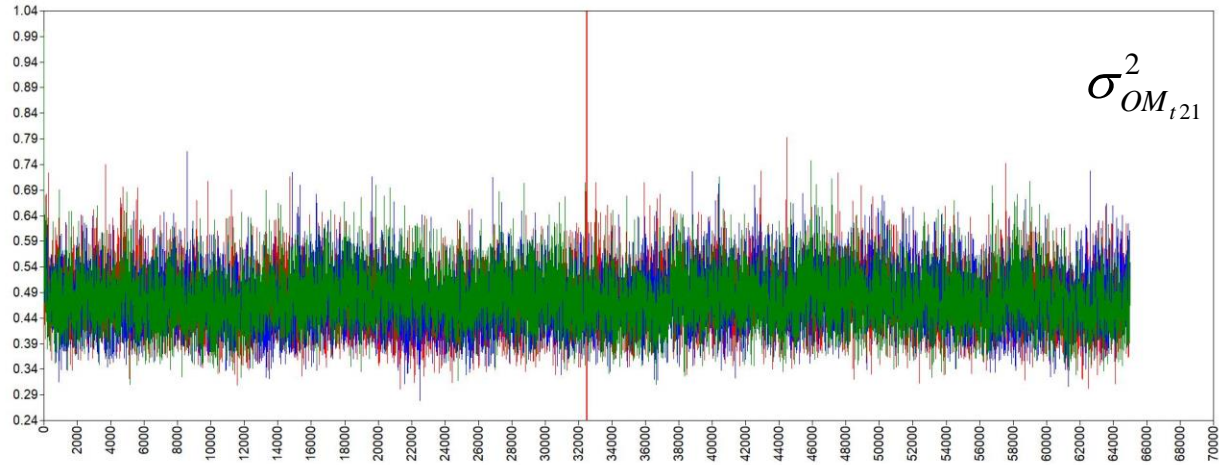
# DTCC



# DTCC

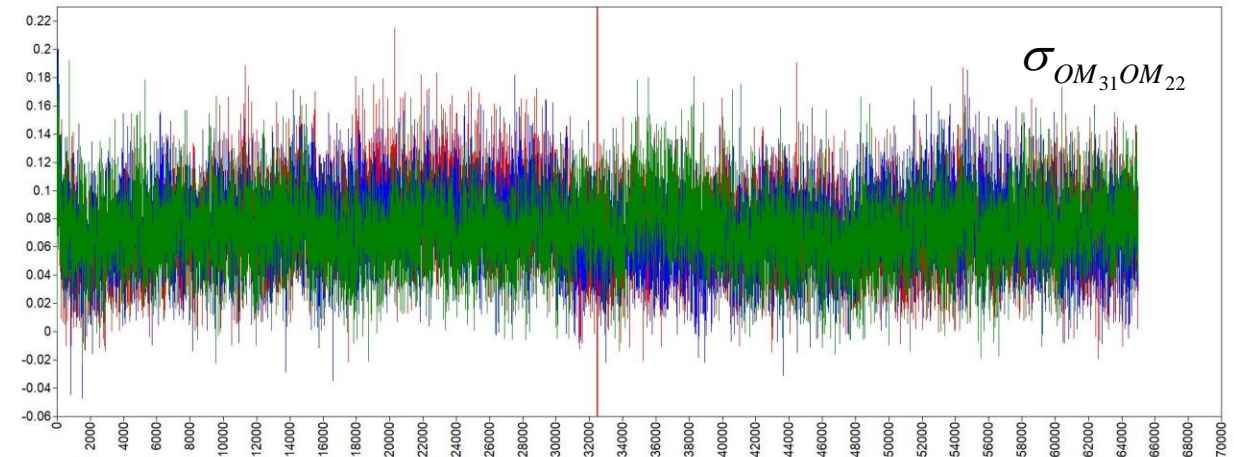
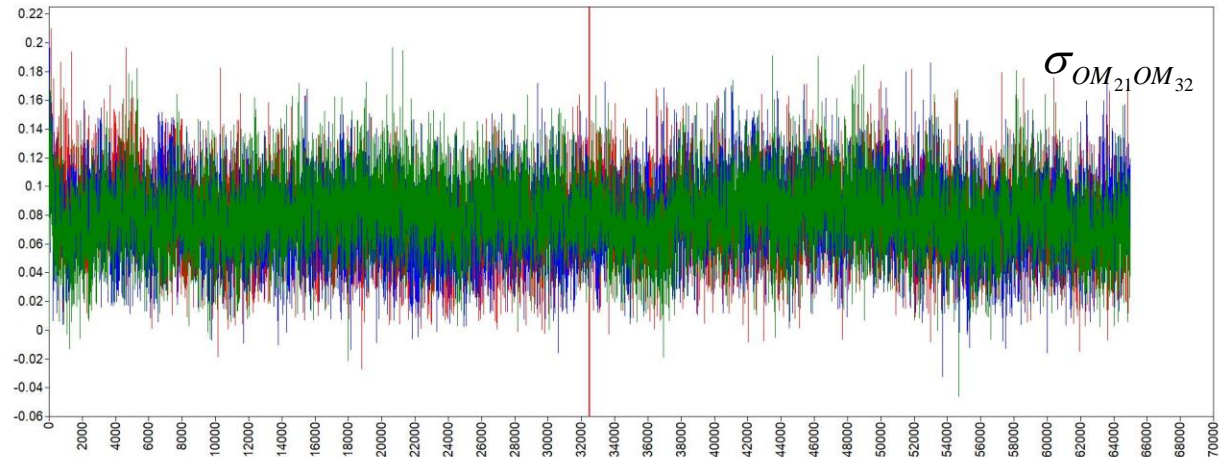
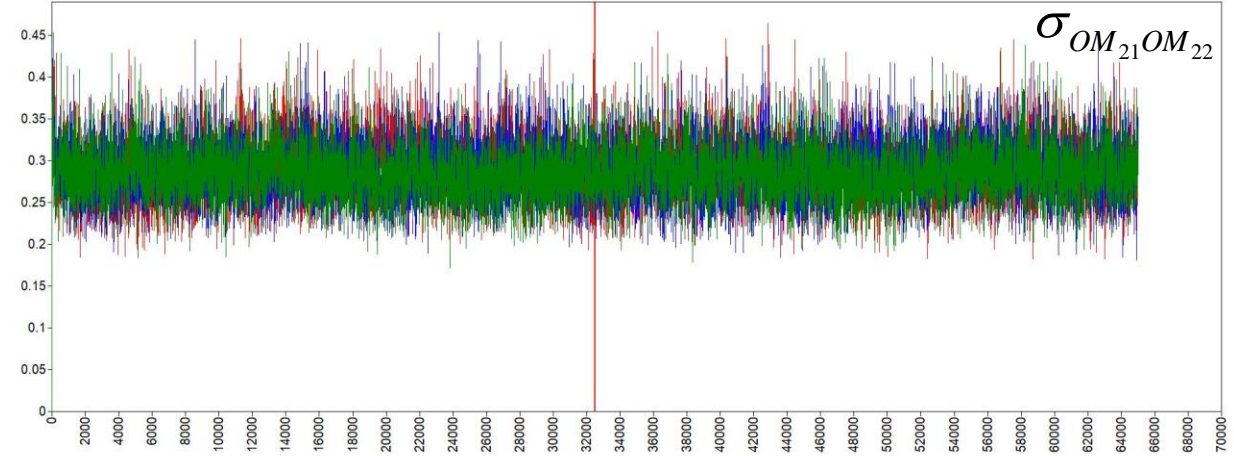
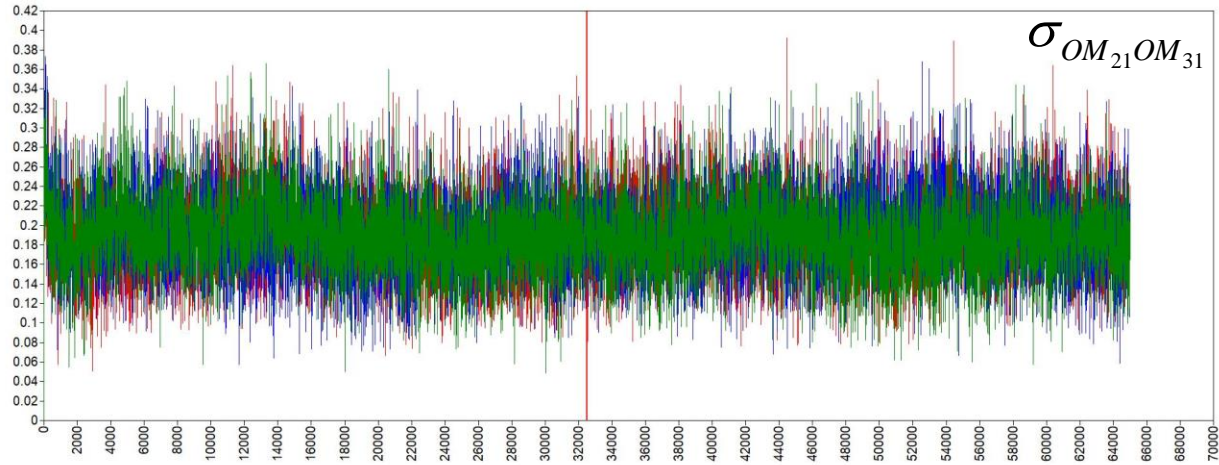


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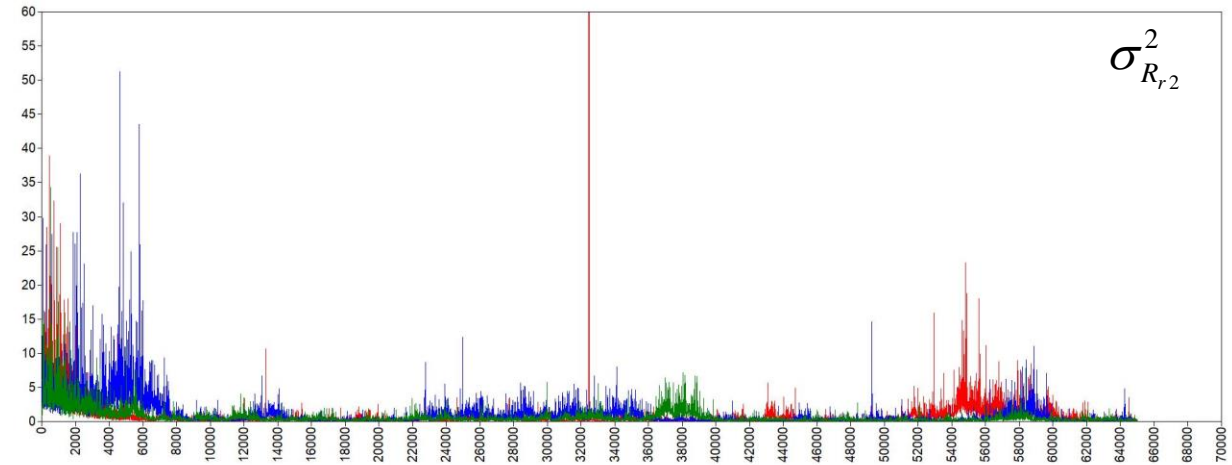
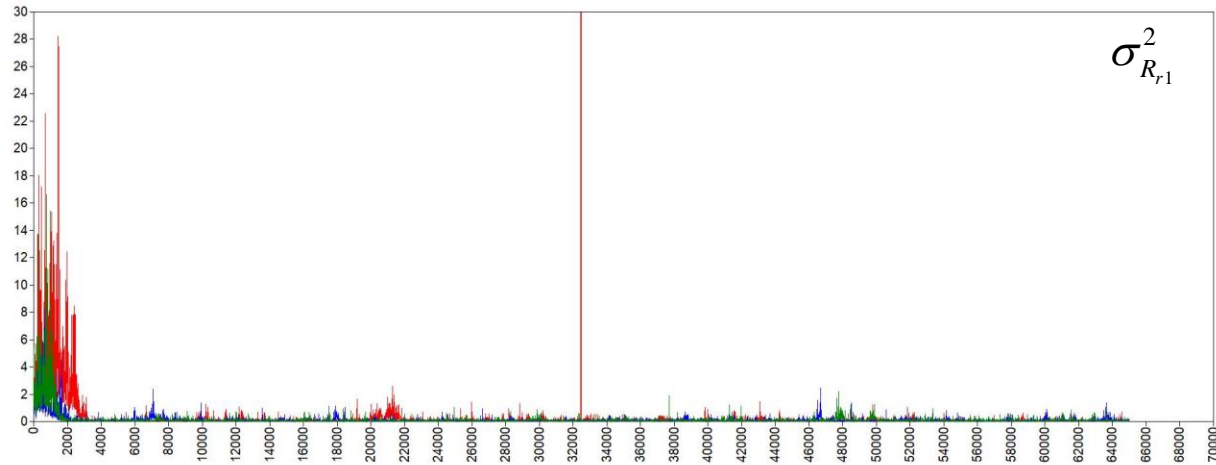
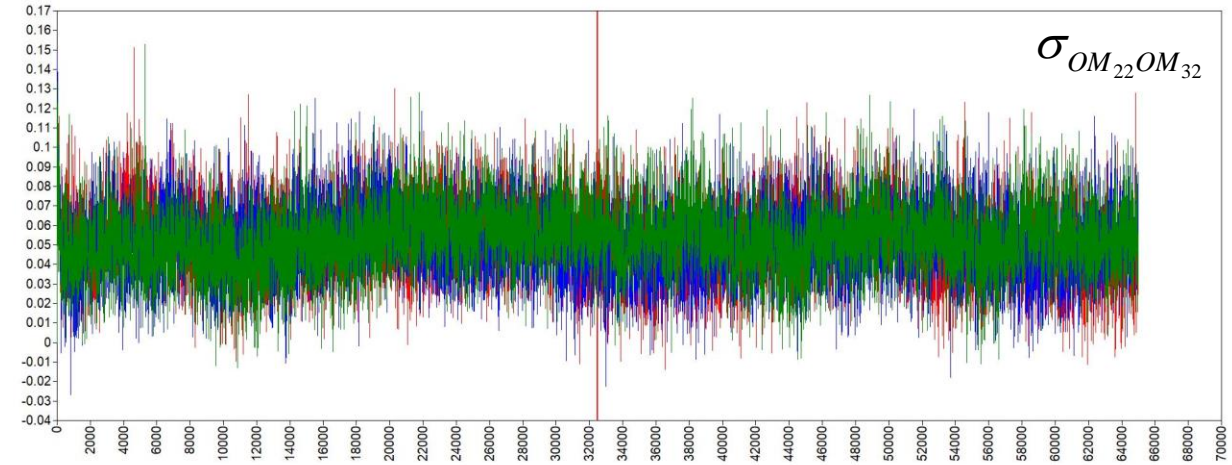
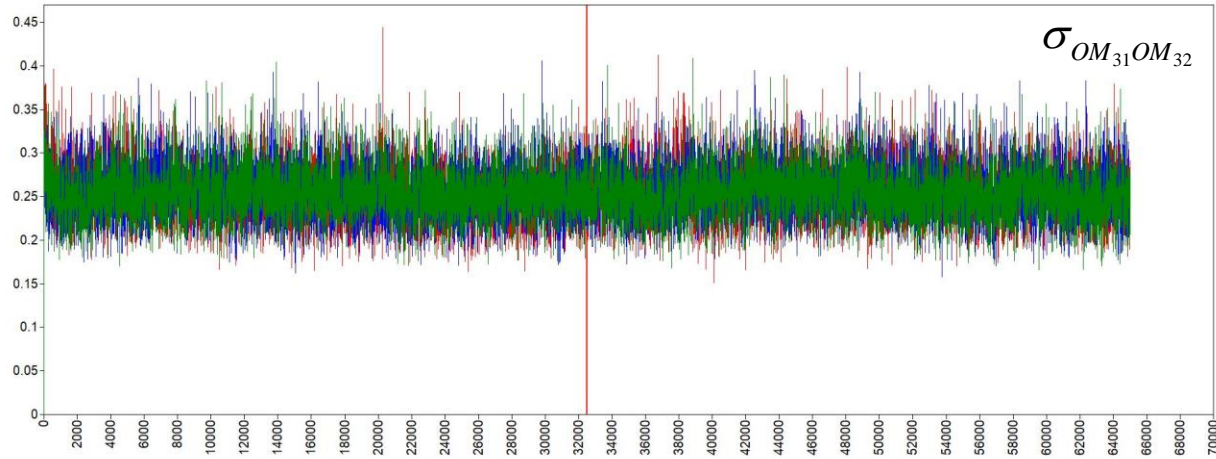




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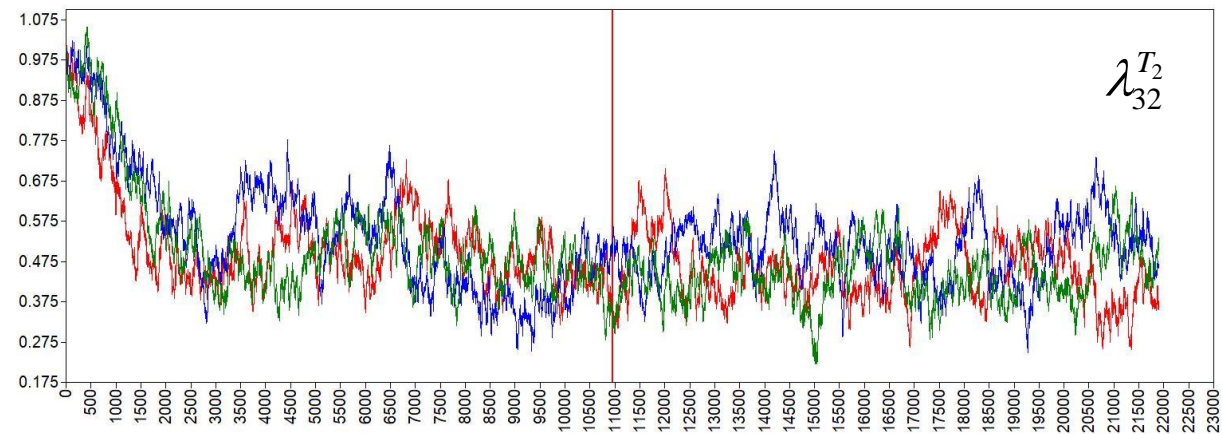
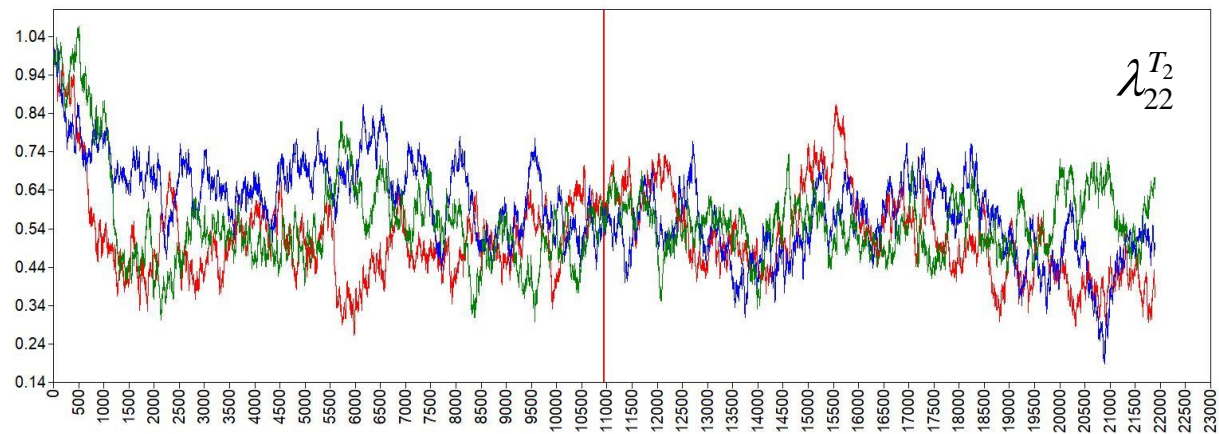
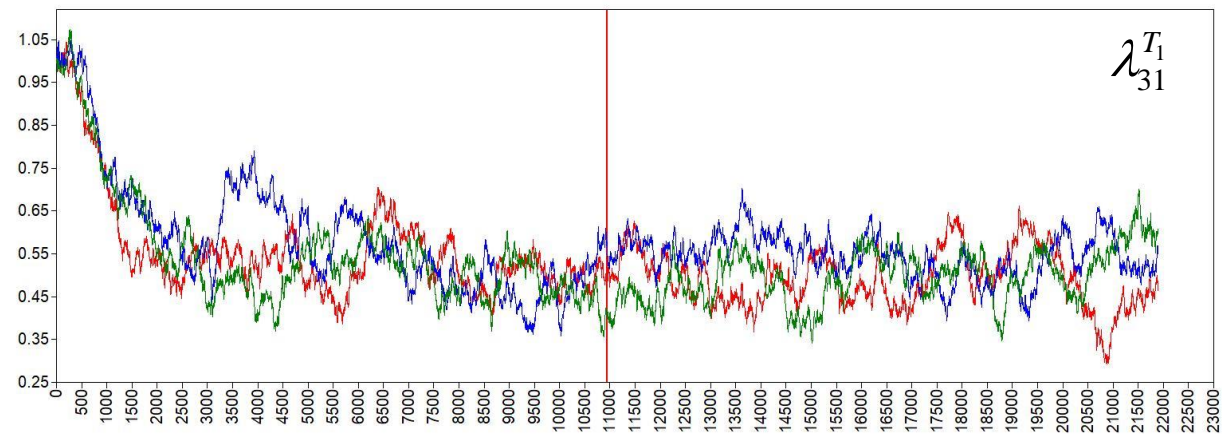
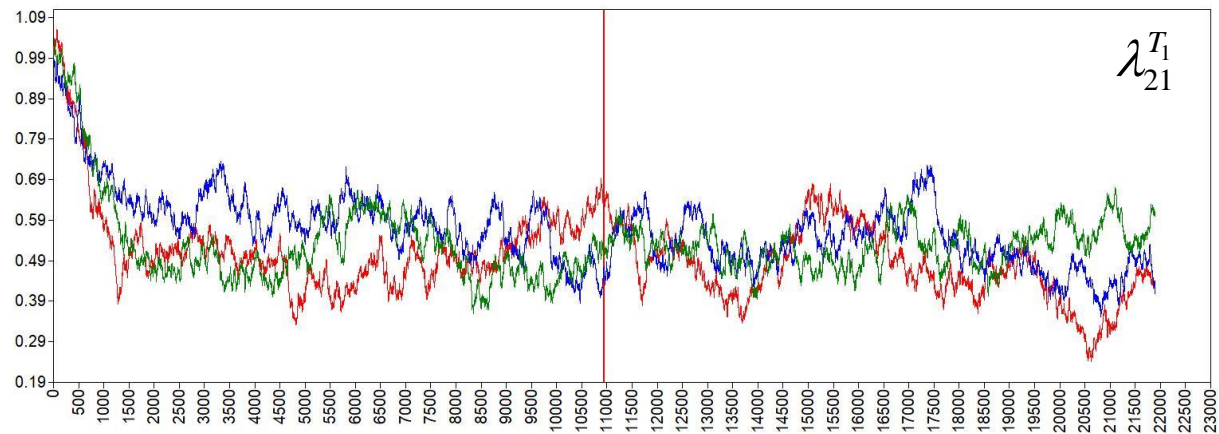


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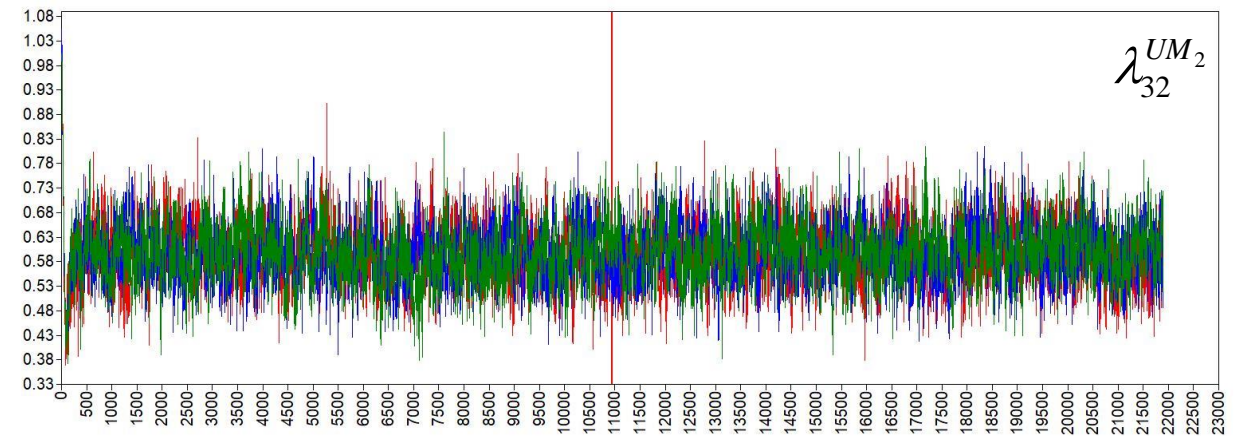
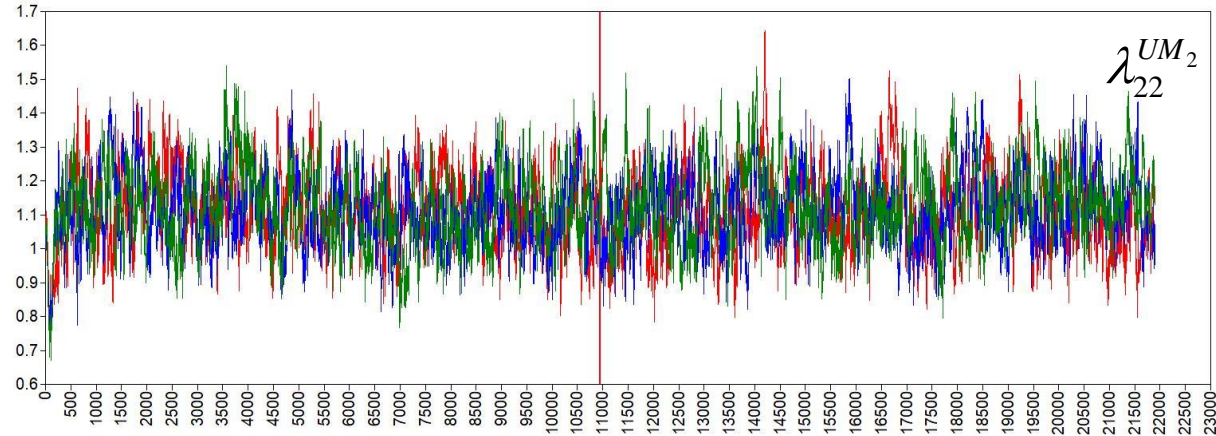
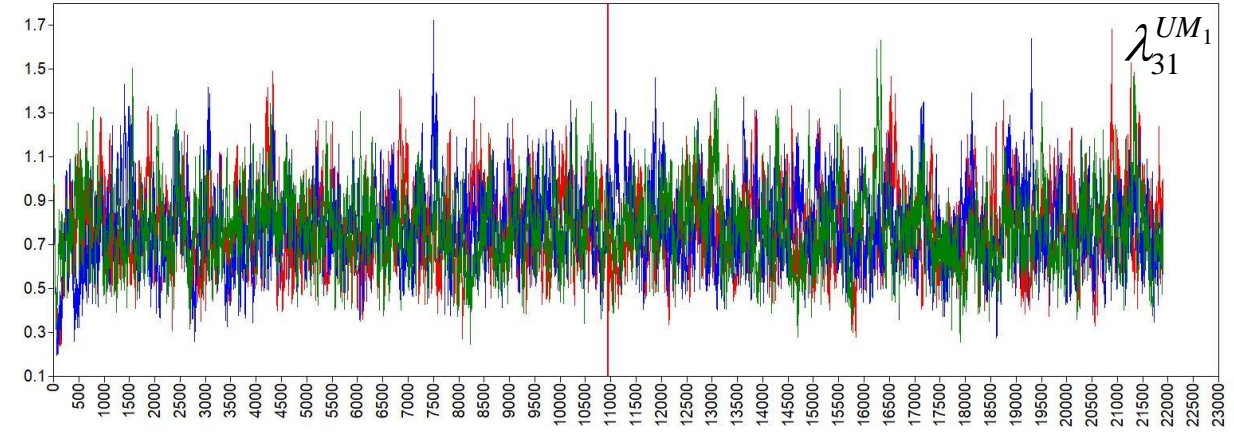
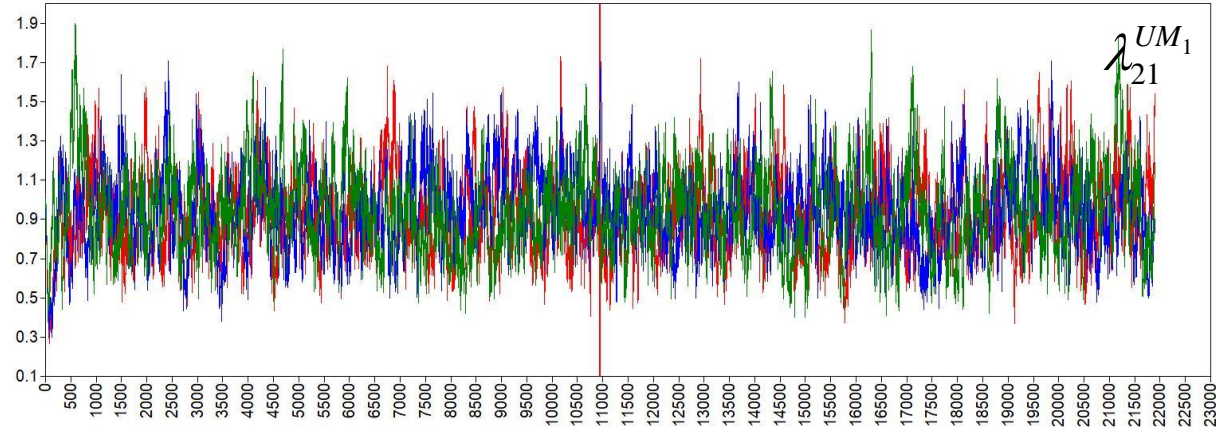


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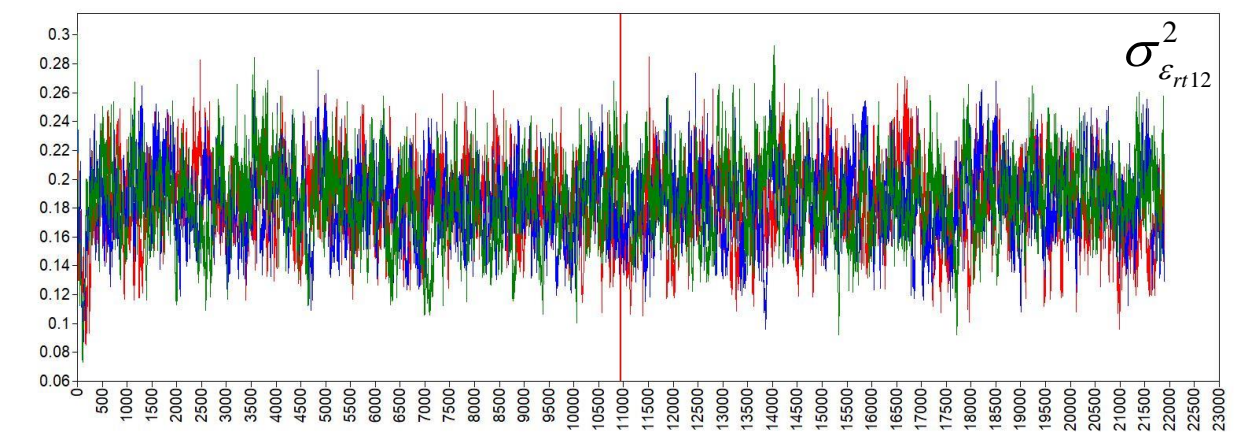
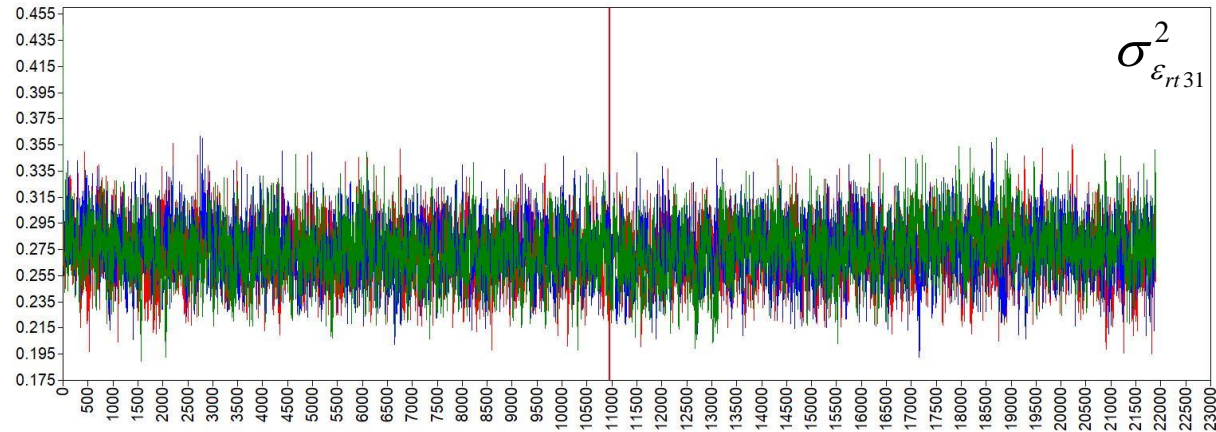
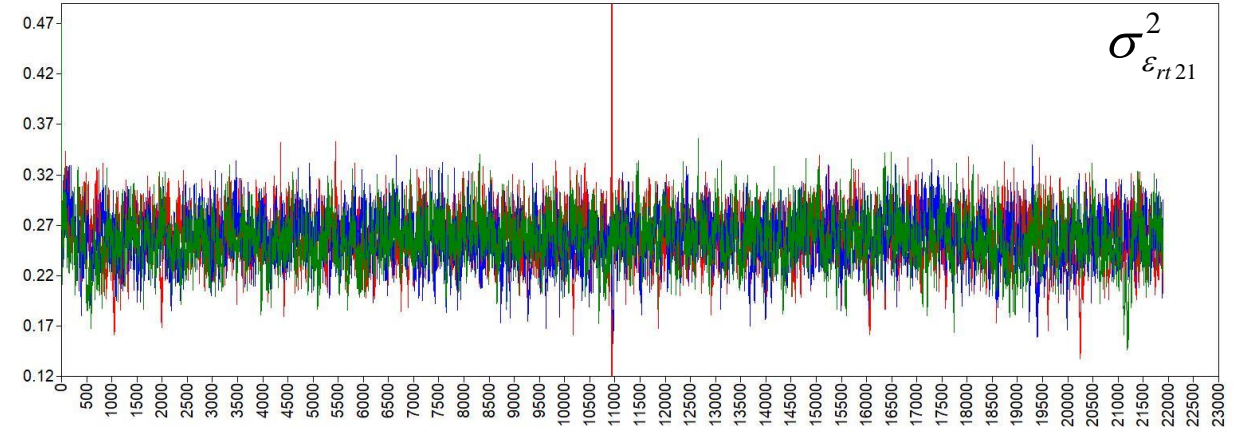
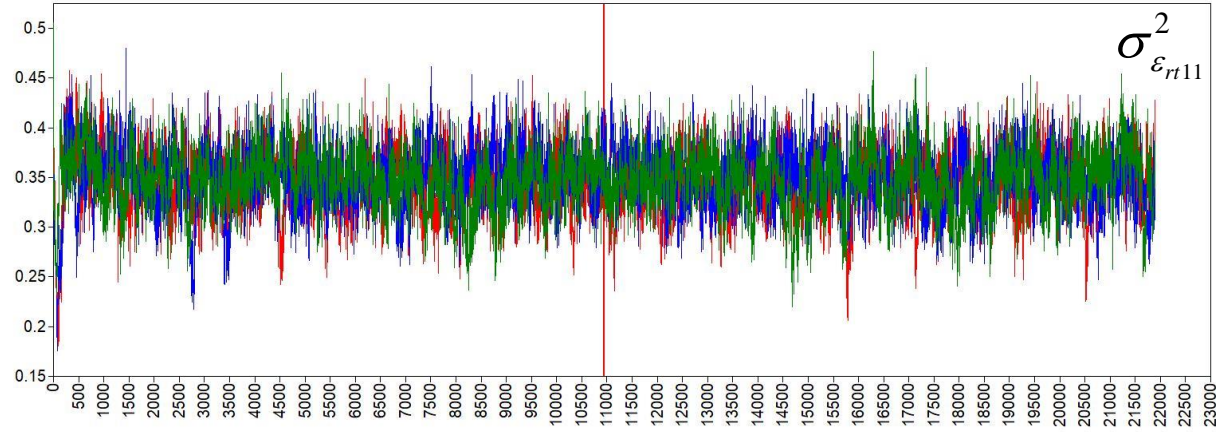




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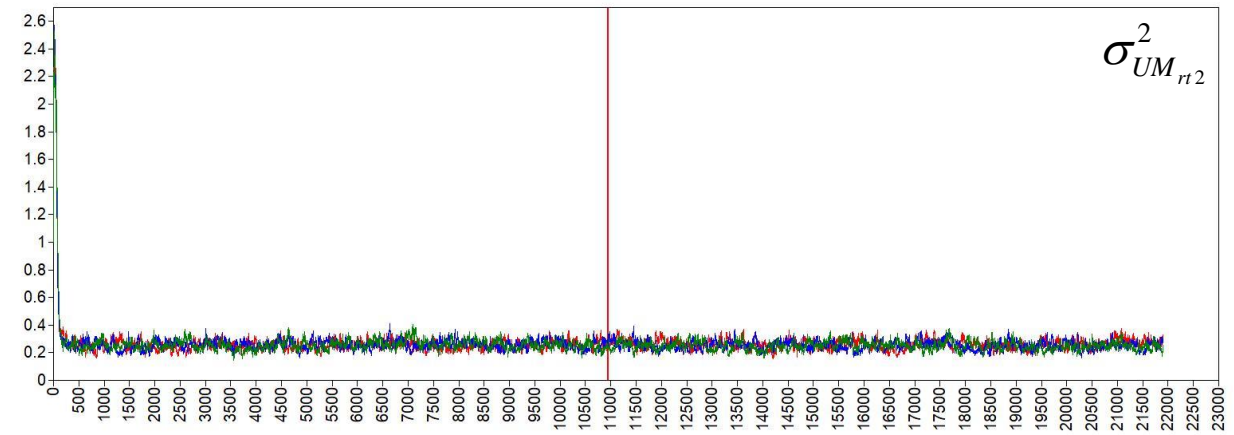
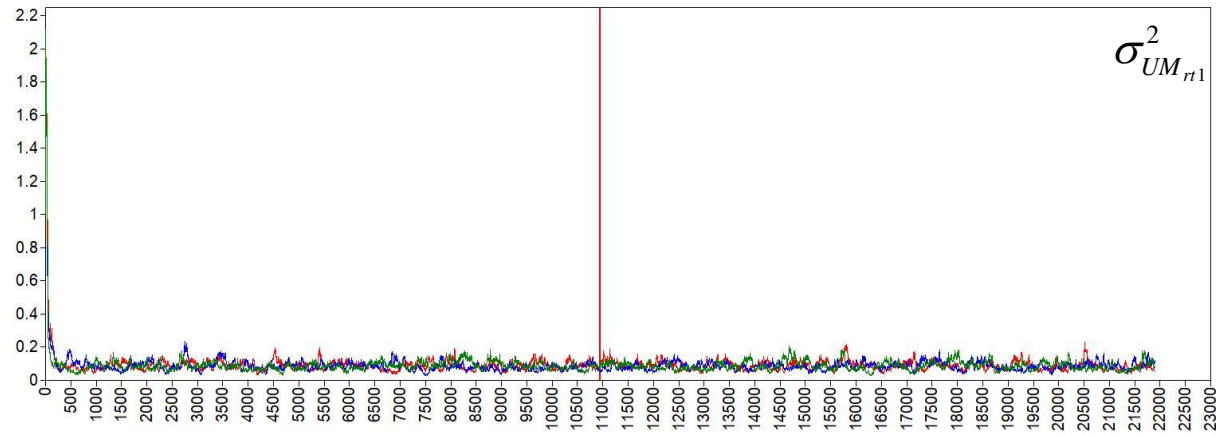
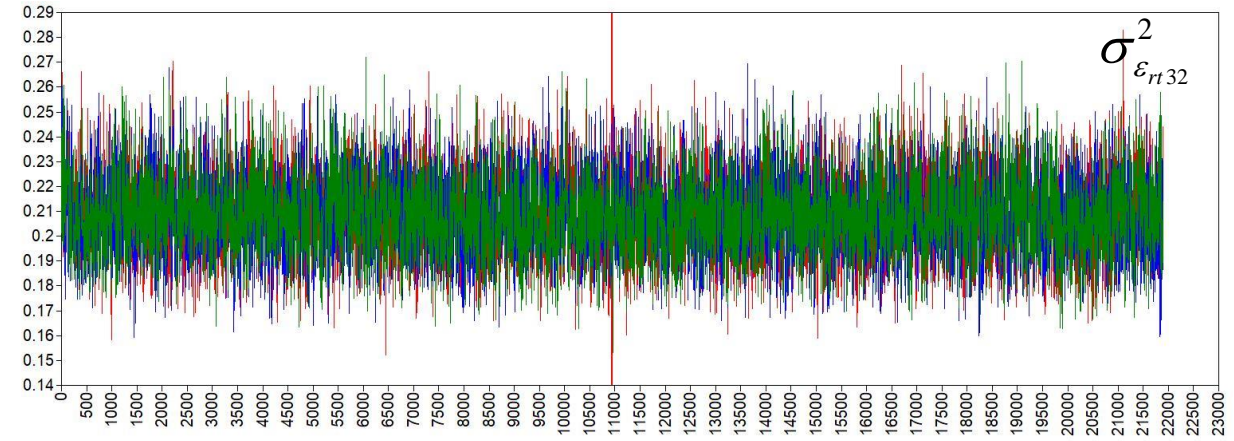
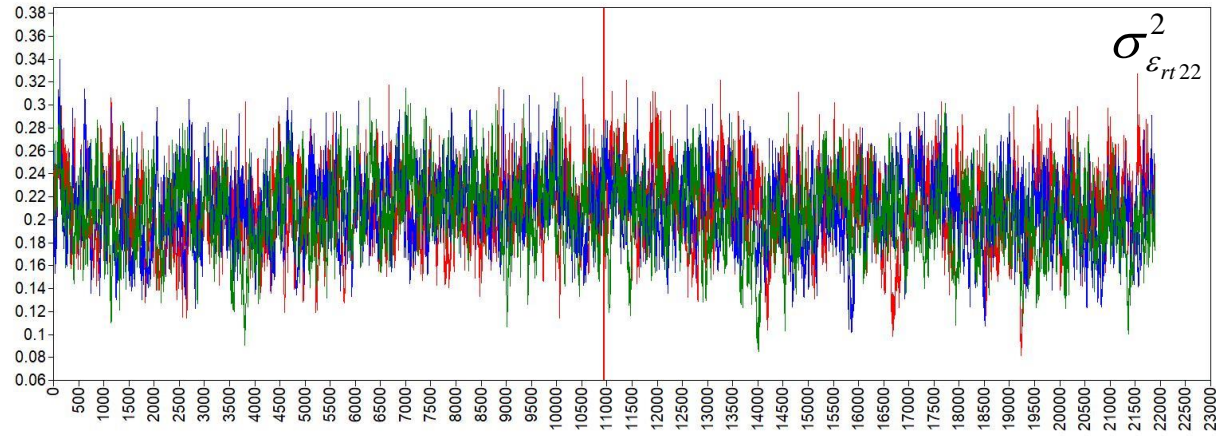


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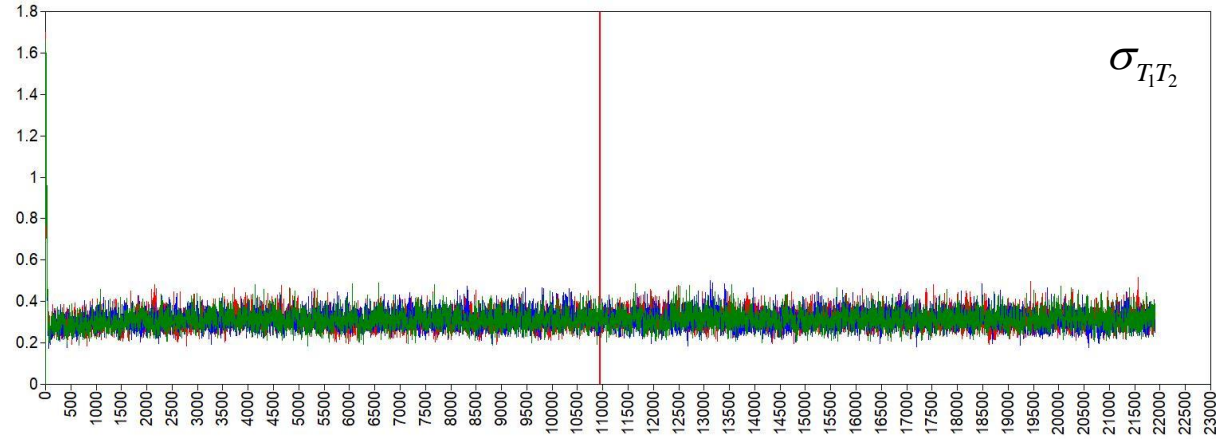
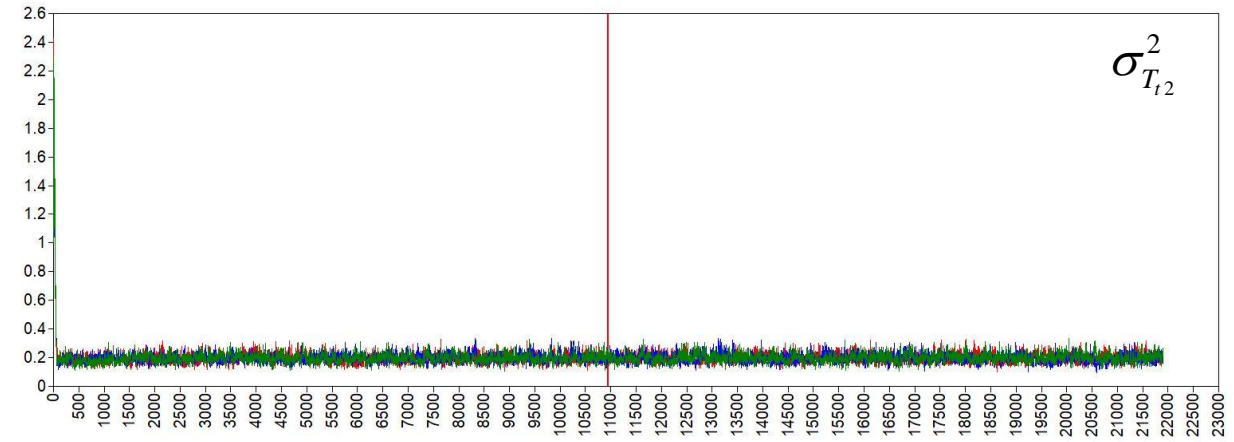
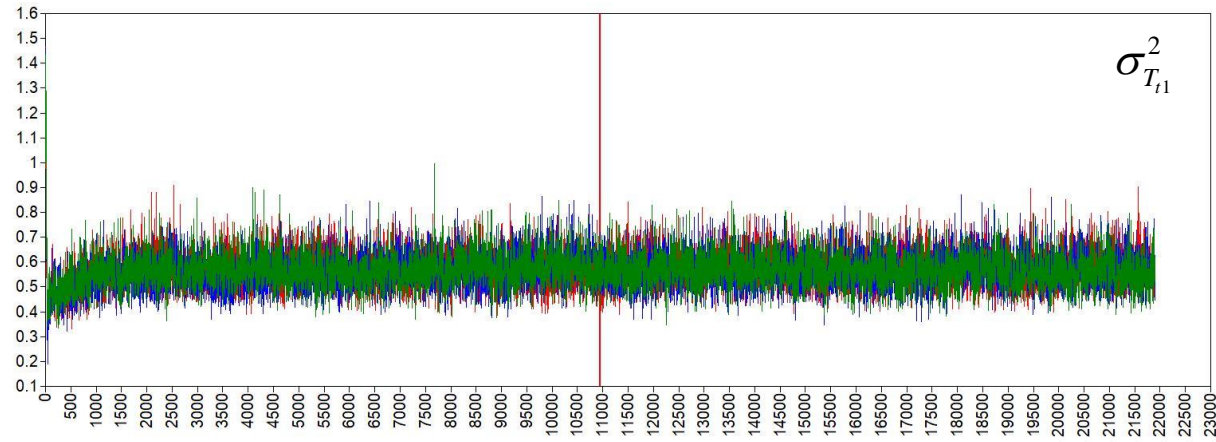


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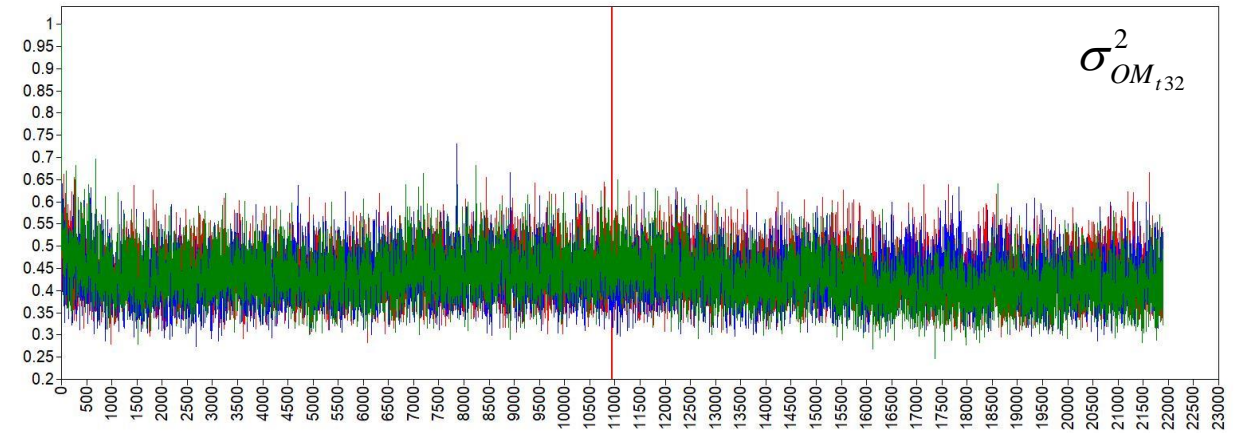
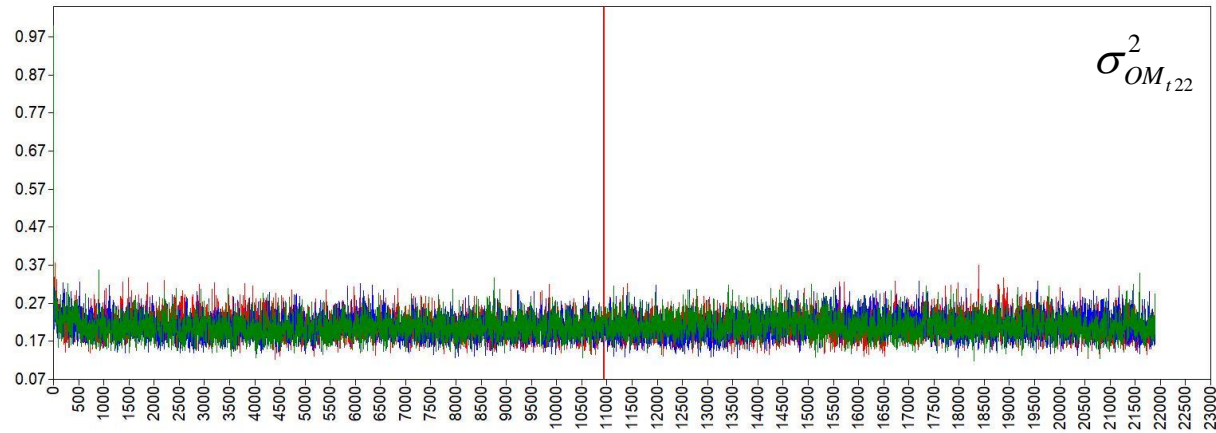
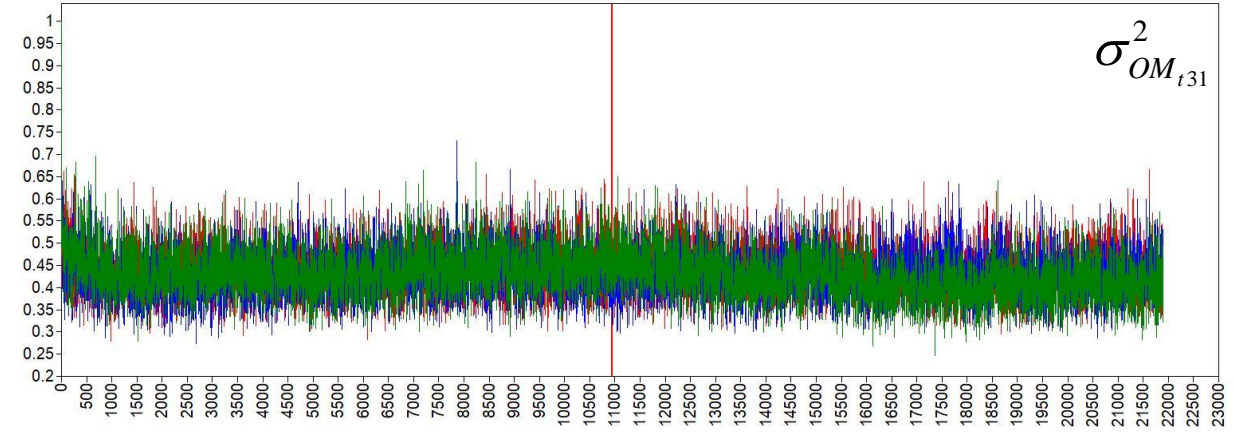
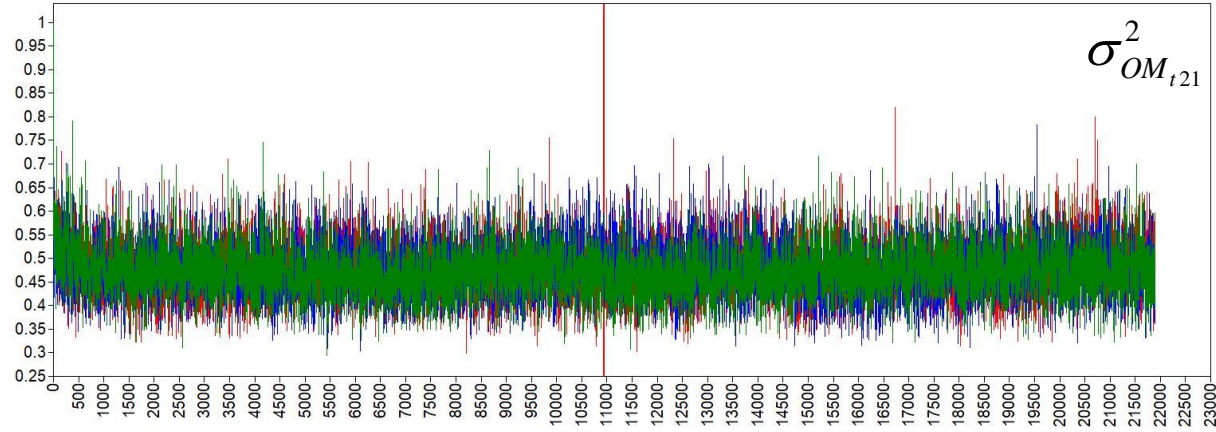




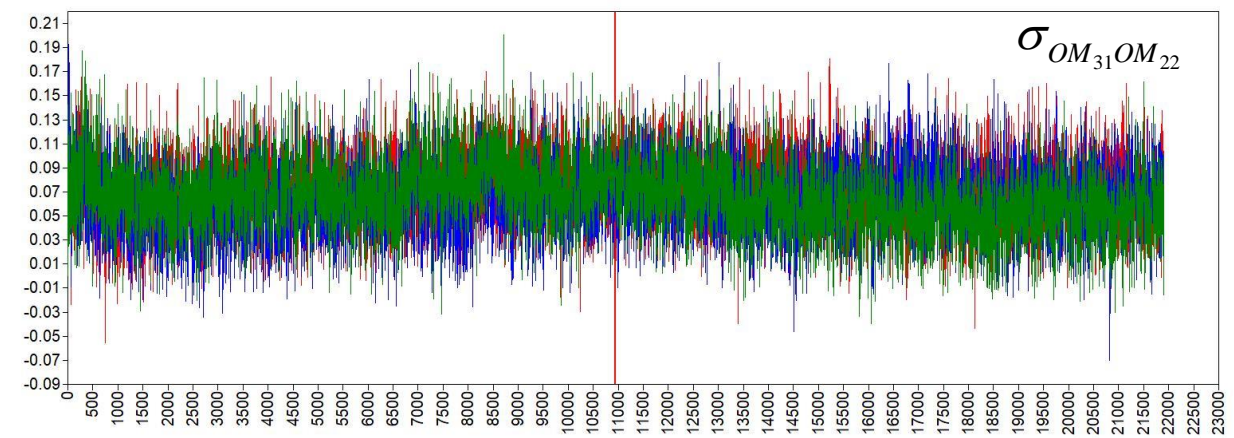
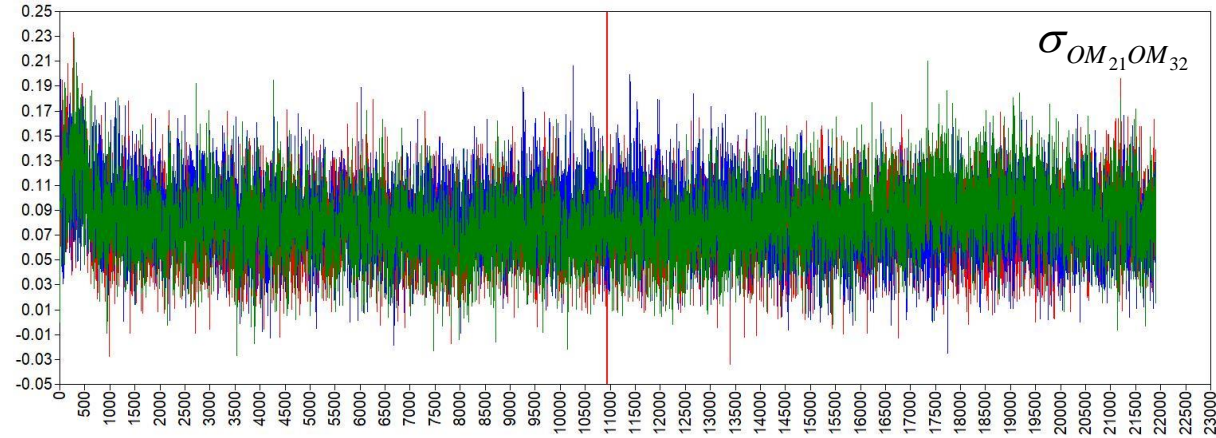
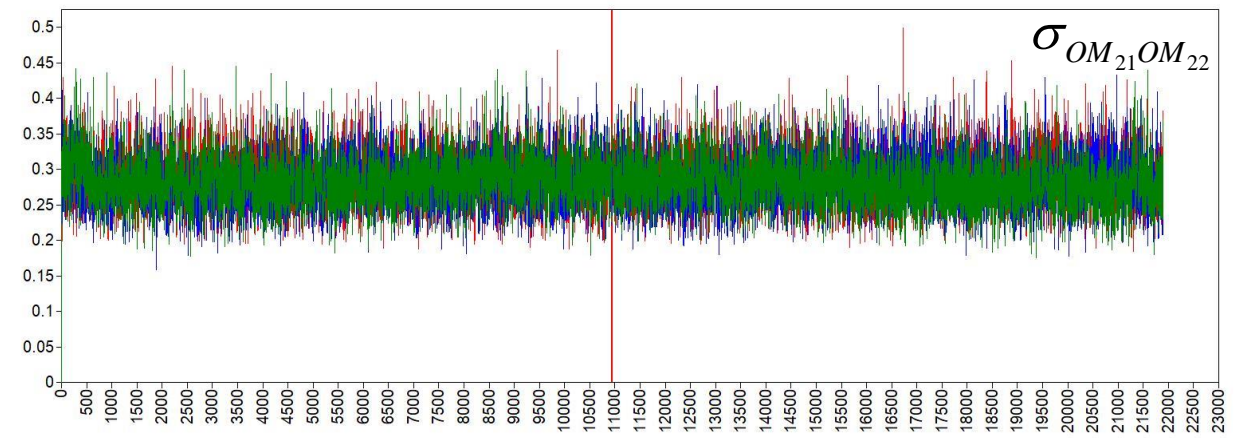
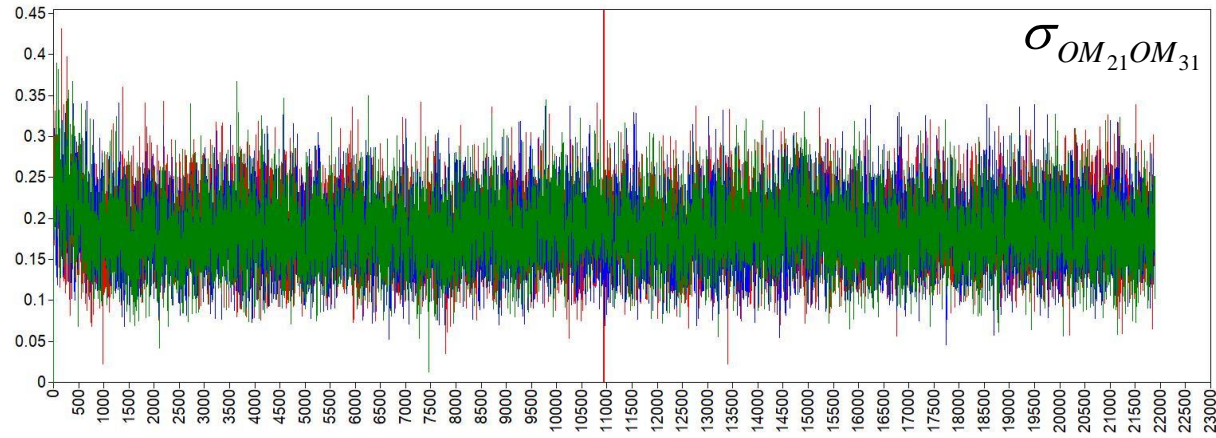
# DTTL-B



# DTTL-B



# DTTL-B





# DTTL-B

