



# NPRR 351 Update

ERCOT

METF

September 27, 2012

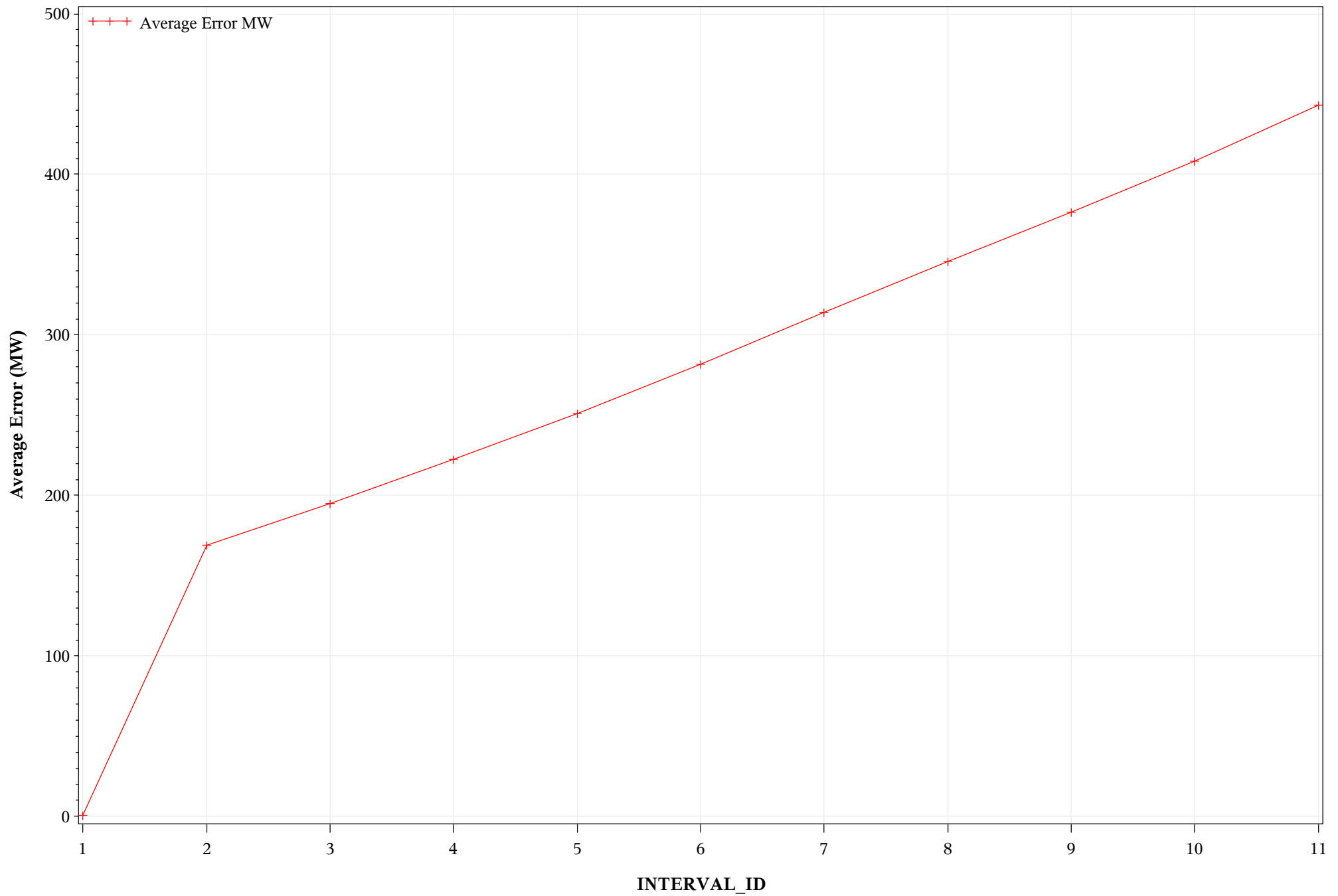
- **For some scenarios, ONTEST status is not treated correctly in RTD. For ONTEST statuses, the intent was to capture the following scenarios:**
  - Resource uses ONTEST status to indicate STARTUP. i.e. current telemetered status=ONTEST, next hour COP status = ON, ONREG, ONDSR, ONRUC, ONOS, ONDSRREG
  - Resource uses ONTEST status to indicate that the resource is REALLY ONTEST. i.e. current telemetered status=ONTEST, next hour COP=ONTEST.
    - This is where the problem is. The software defect always translates this scenario into Shutdown. In this scenario, The processing is to freeze the resource output to current telemetered MW and collapse LDL/HDL to the current telemetered MW for all intervals in the study period.
  - Resource uses ONTEST status to indicate SHUTDOWN. i.e. current telemetered status=ONTEST, next hour COP status =OFF,OUT,OFFNS,EMR

- **The defect fix is currently being worked on and plan to migrate to production after testing.**
- **Some resources may have not yet migrated to using the new available status of STARTUP and SHUTDOWN and therefore will continue to support scenarios where ONTEST status is used for indicating STARTUP and SHUTDOWN.**
- **This defect was found by a market participant. We greatly appreciate any feedback on improving the implementation of NPRR 351. Please contact your client representative with feedback/questions with regard to NPRR 351 and we will respond.**

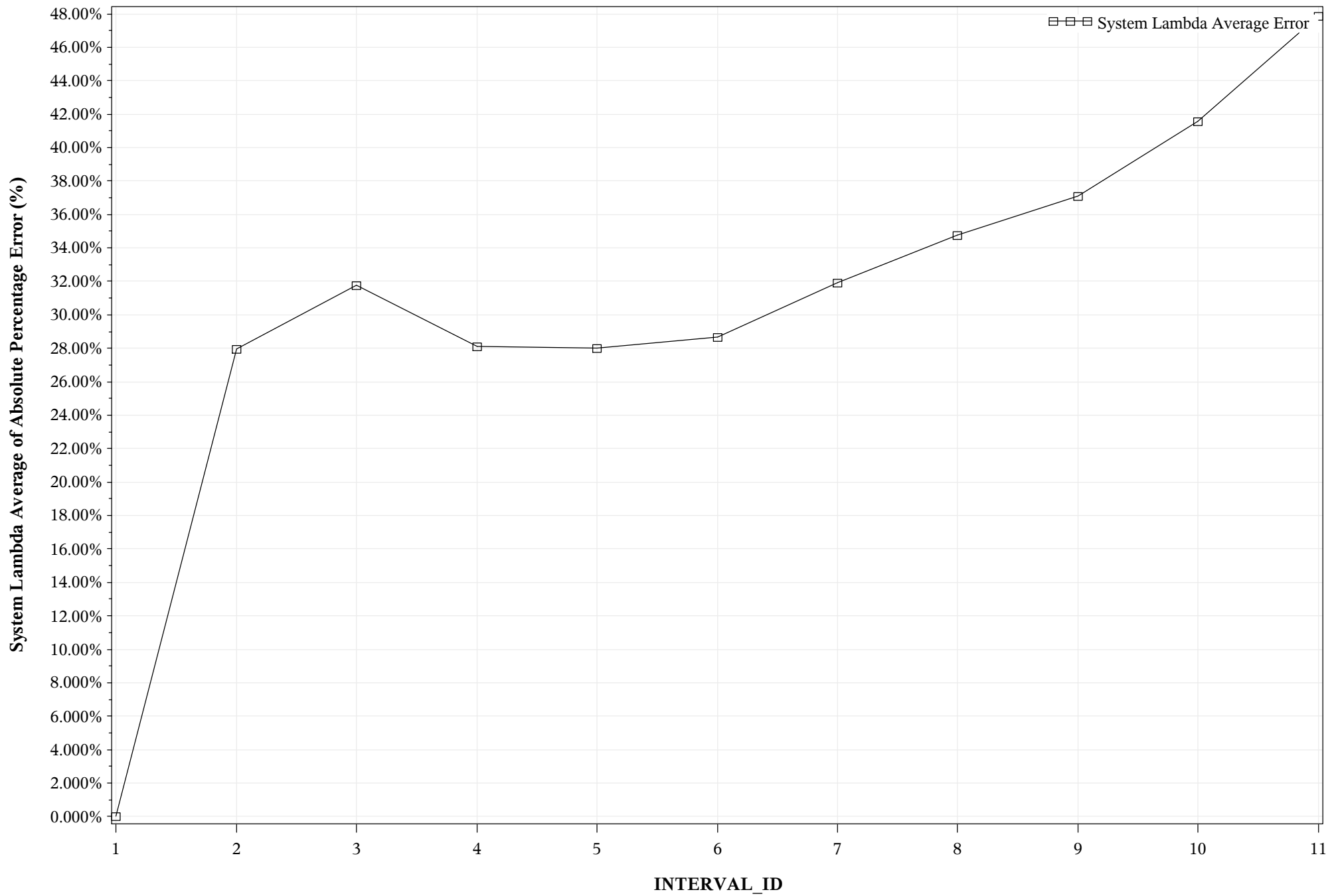
# NPRR 351 Update : RTD Versus SCED Comparison

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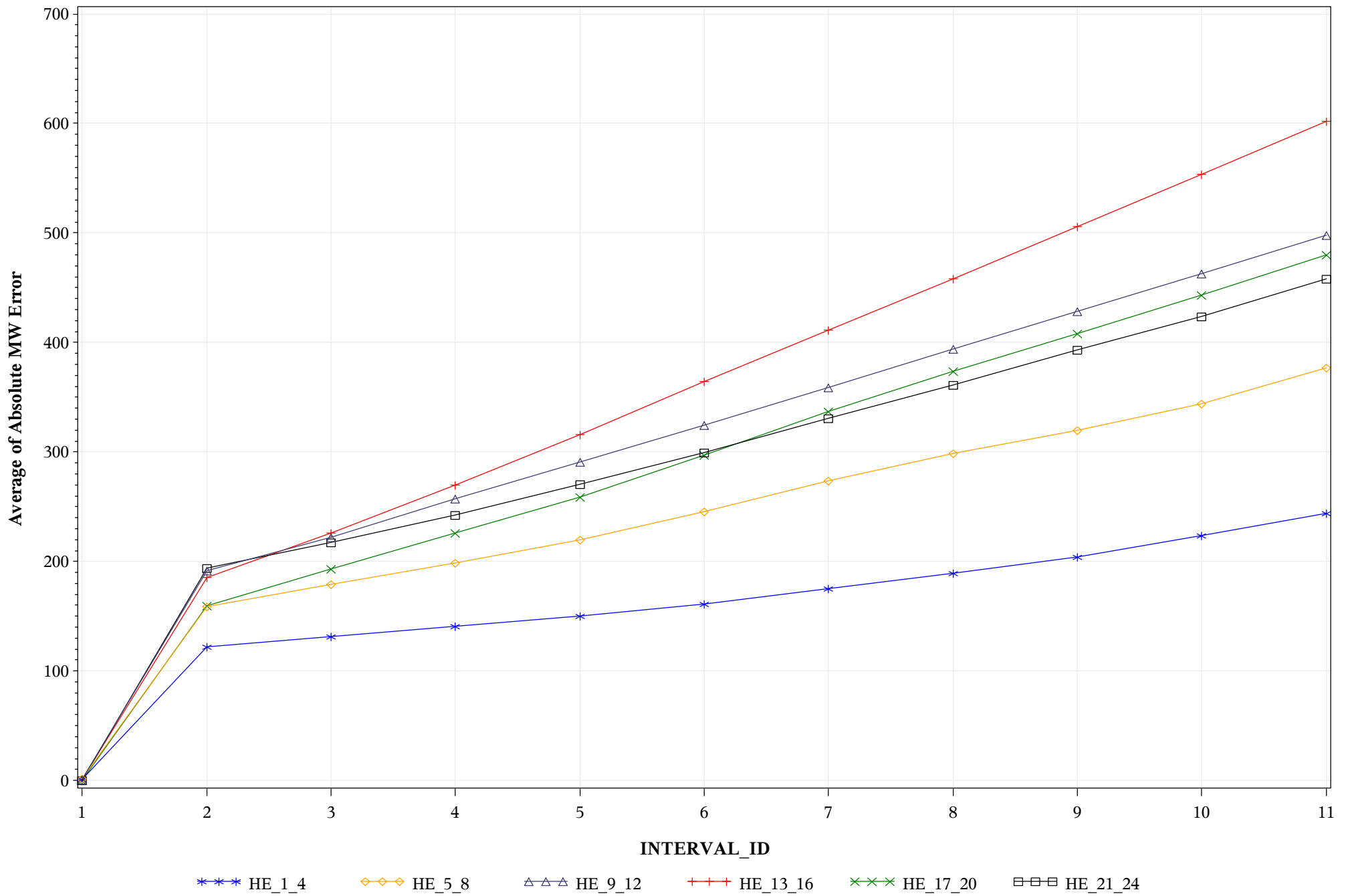
## RTD VS SCED GTBD Average of Absolute MW Error



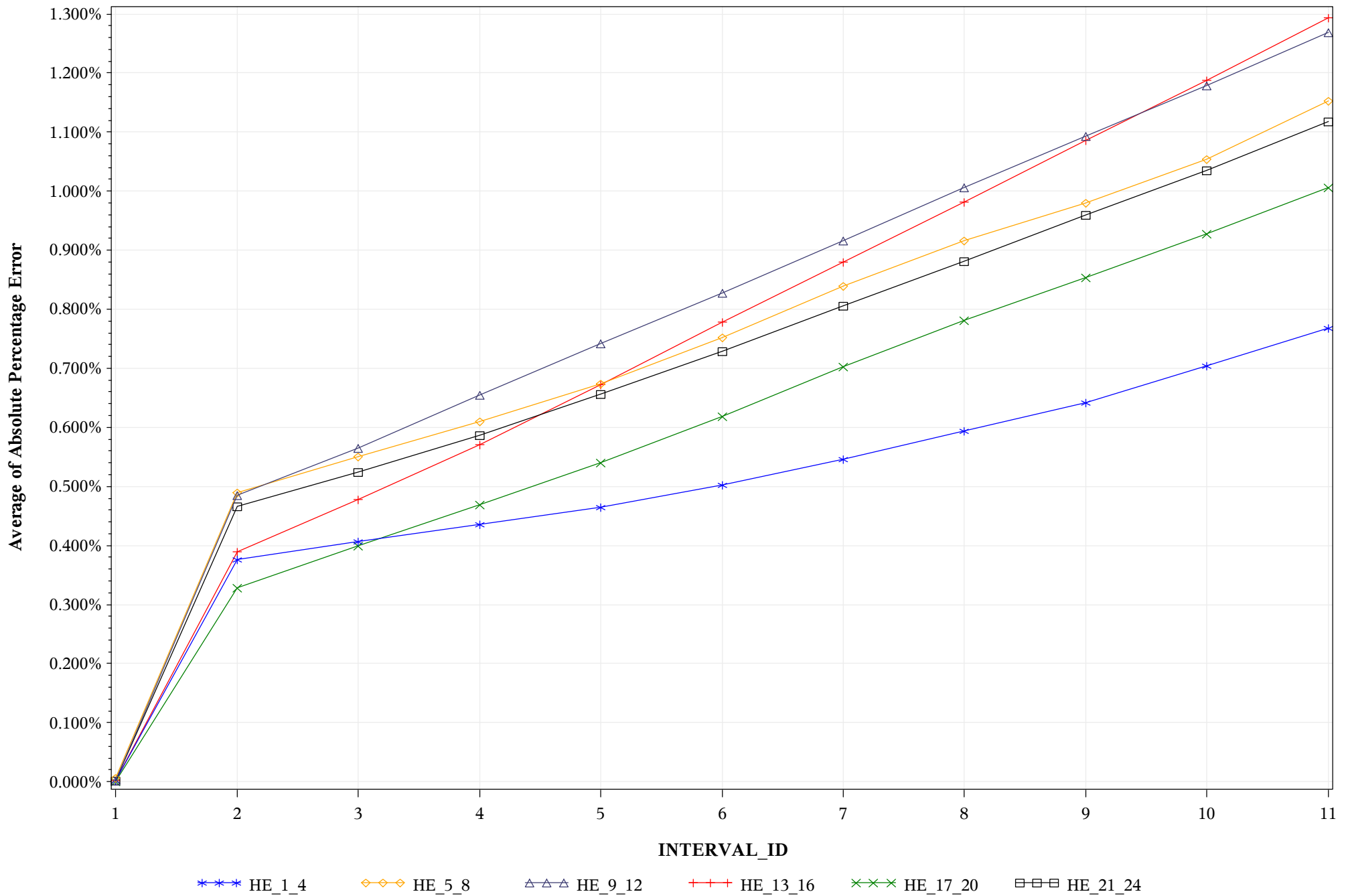
## RTD VS SCED System Lambda Average of Absolute Percentage Error



## RTD VS SCED GTBD Average of Absolute MW Error by Time Block

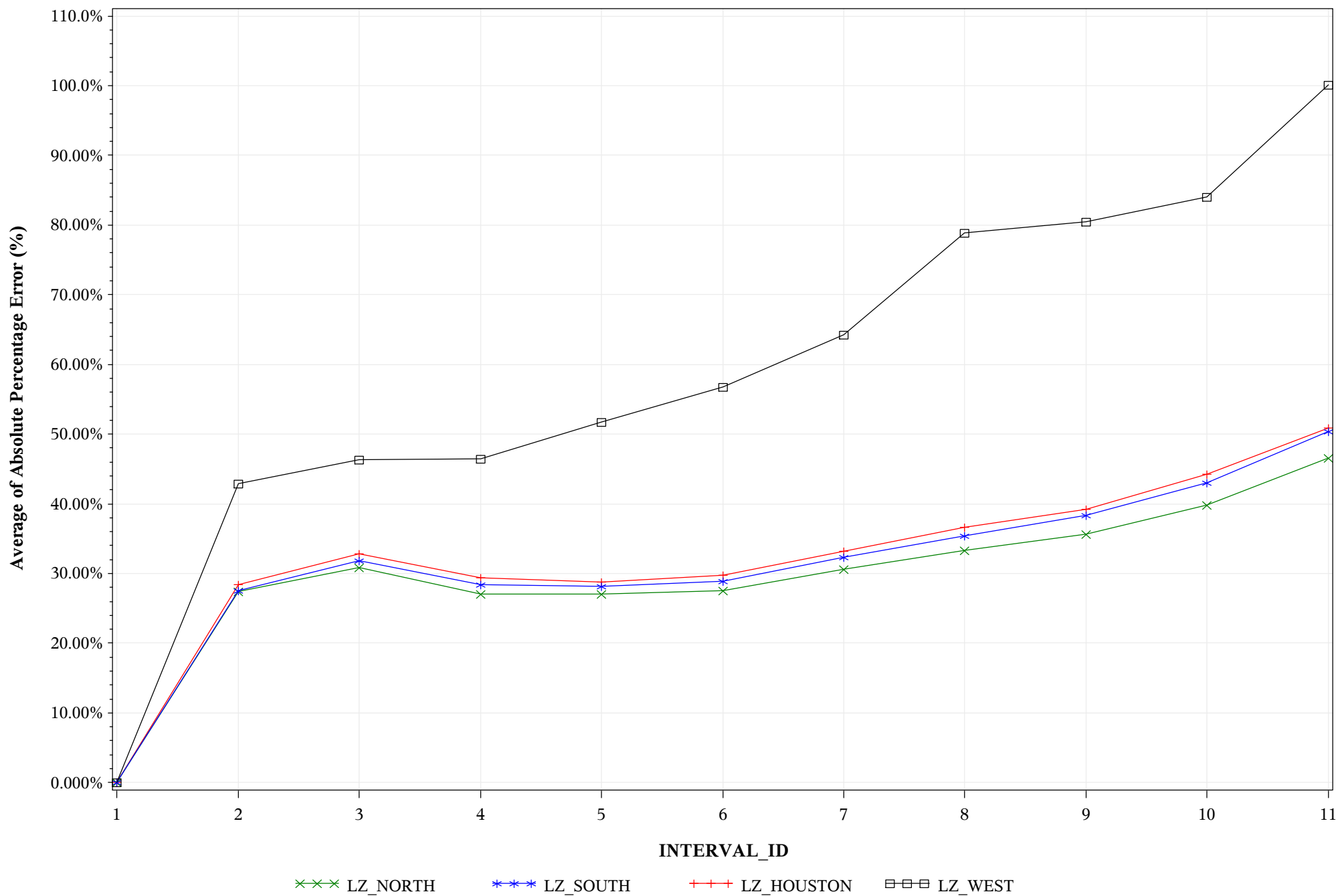


## RTD VS SCED GTBD Average of Absolute Percentage Error by Time Block

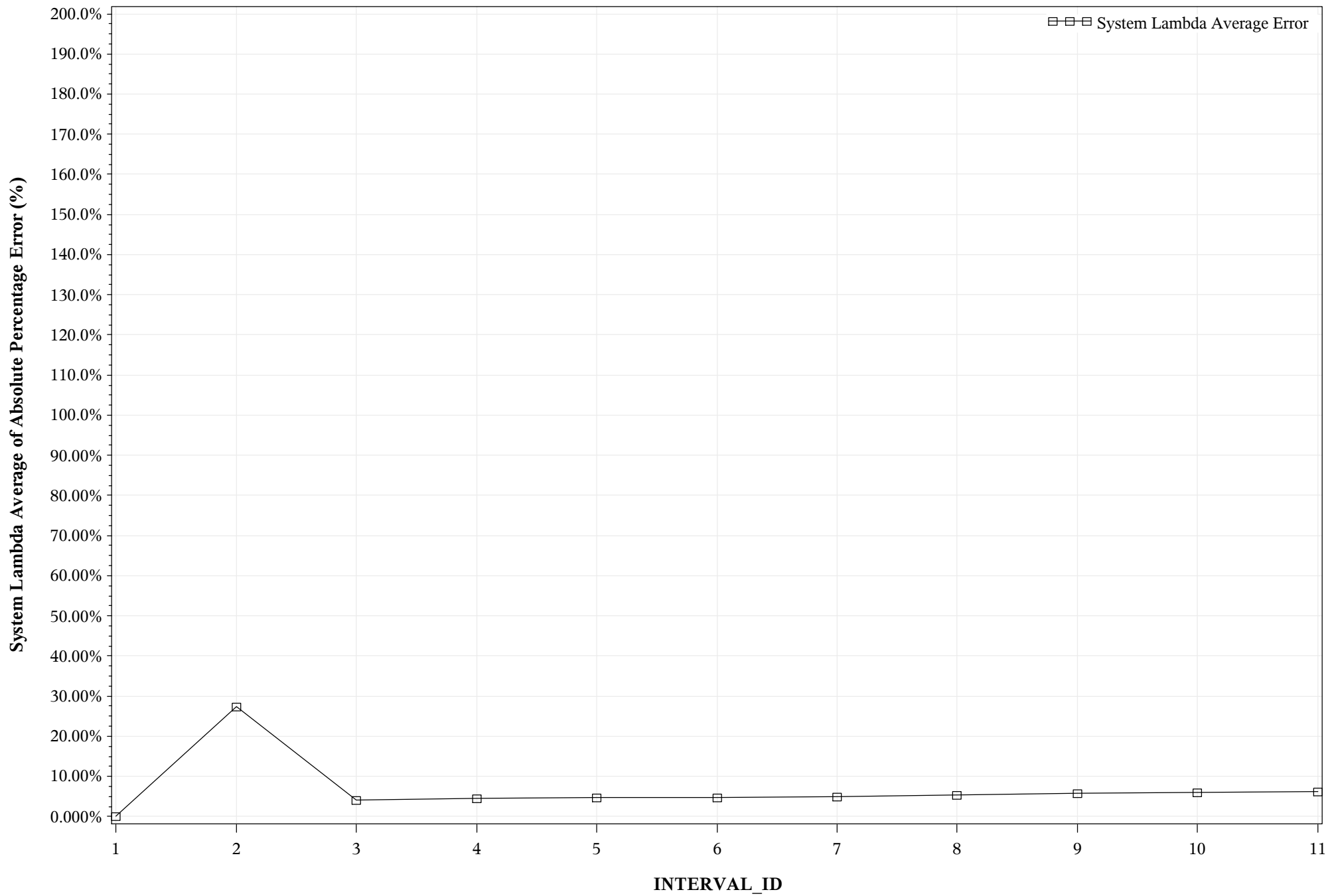




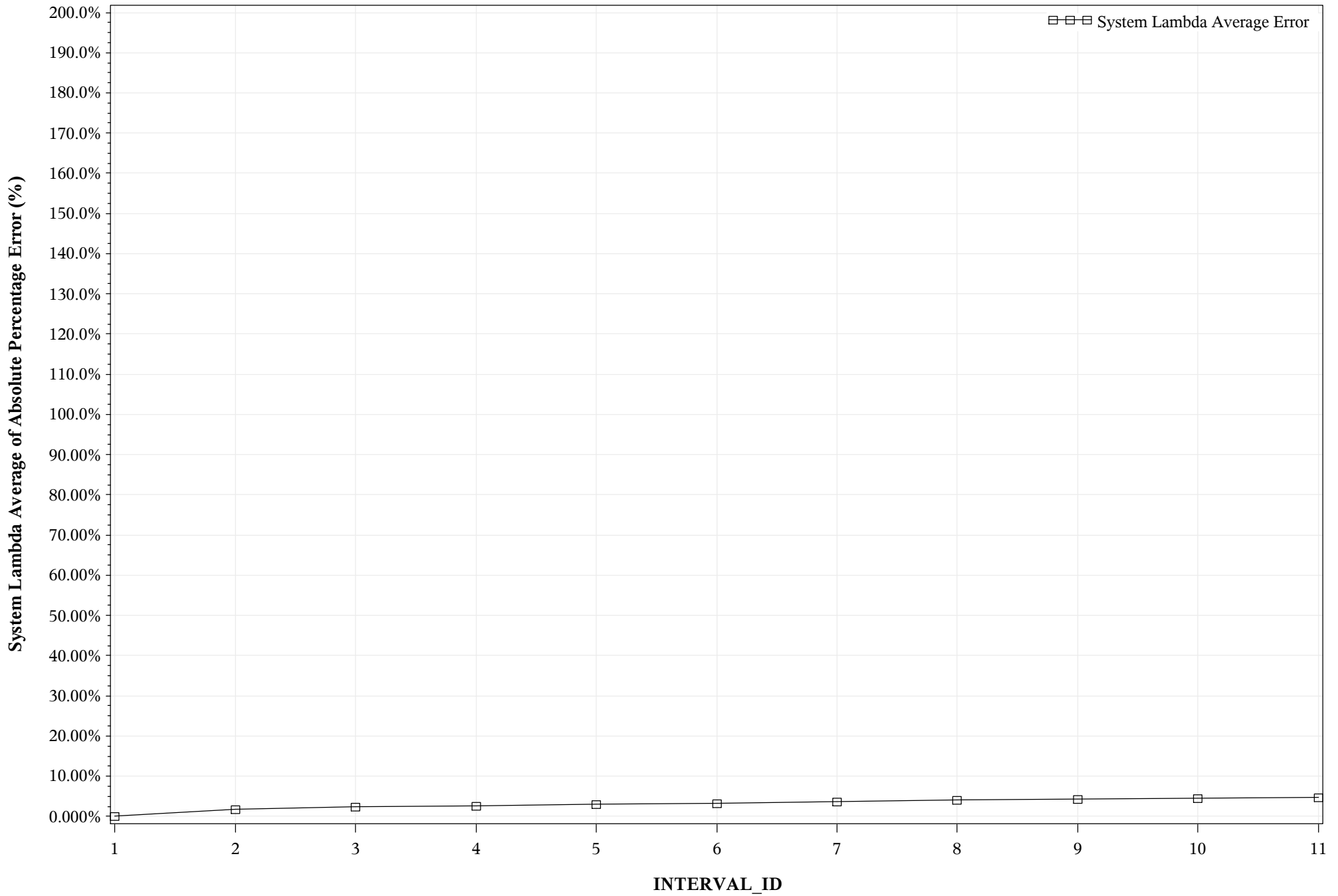
# RTD VS SCED Load Zones LMP Average of Absolute Percentage Error



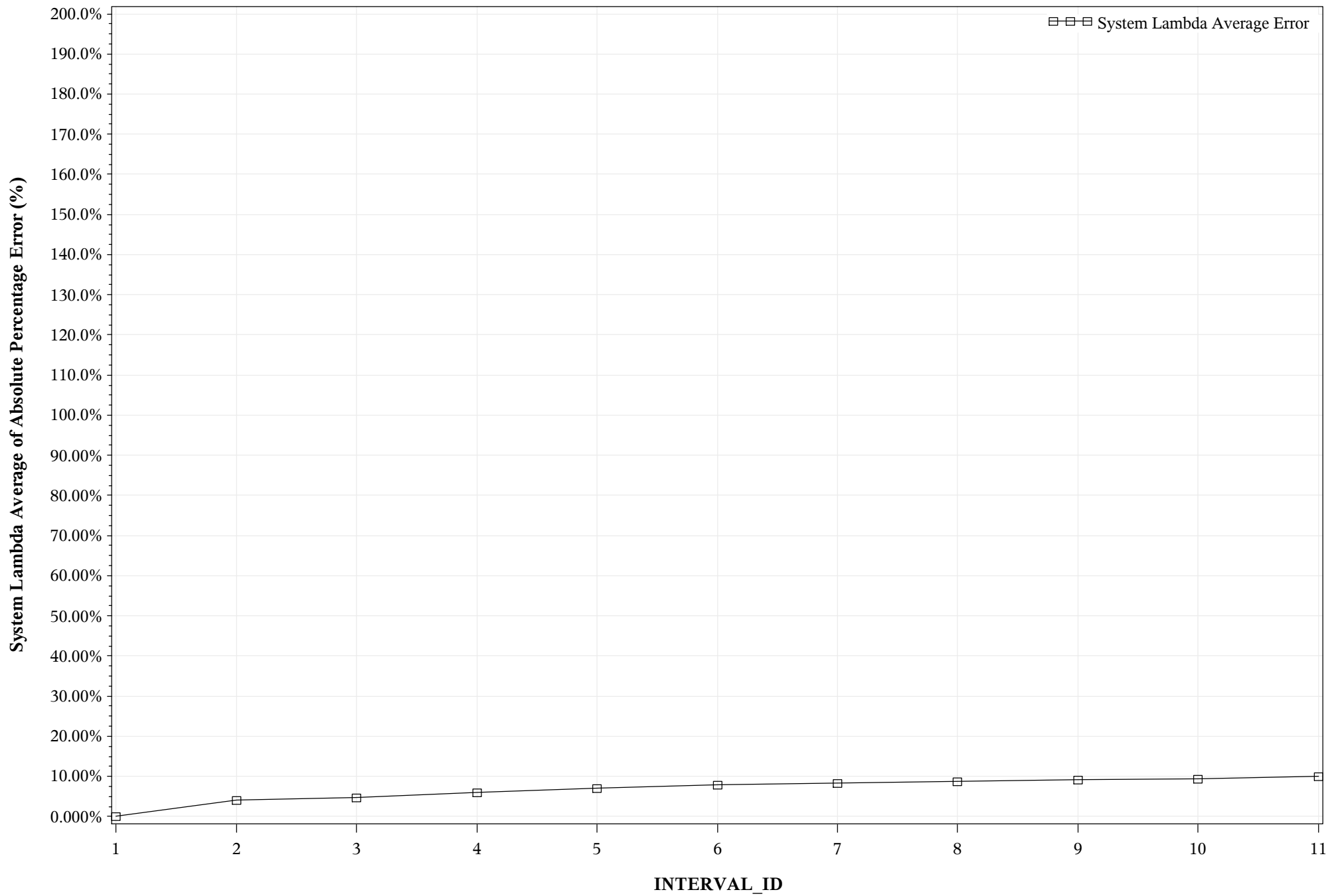
# RTD VS SCED System Lambda Average of Absolute Percentage Error --- HE 01 to 04



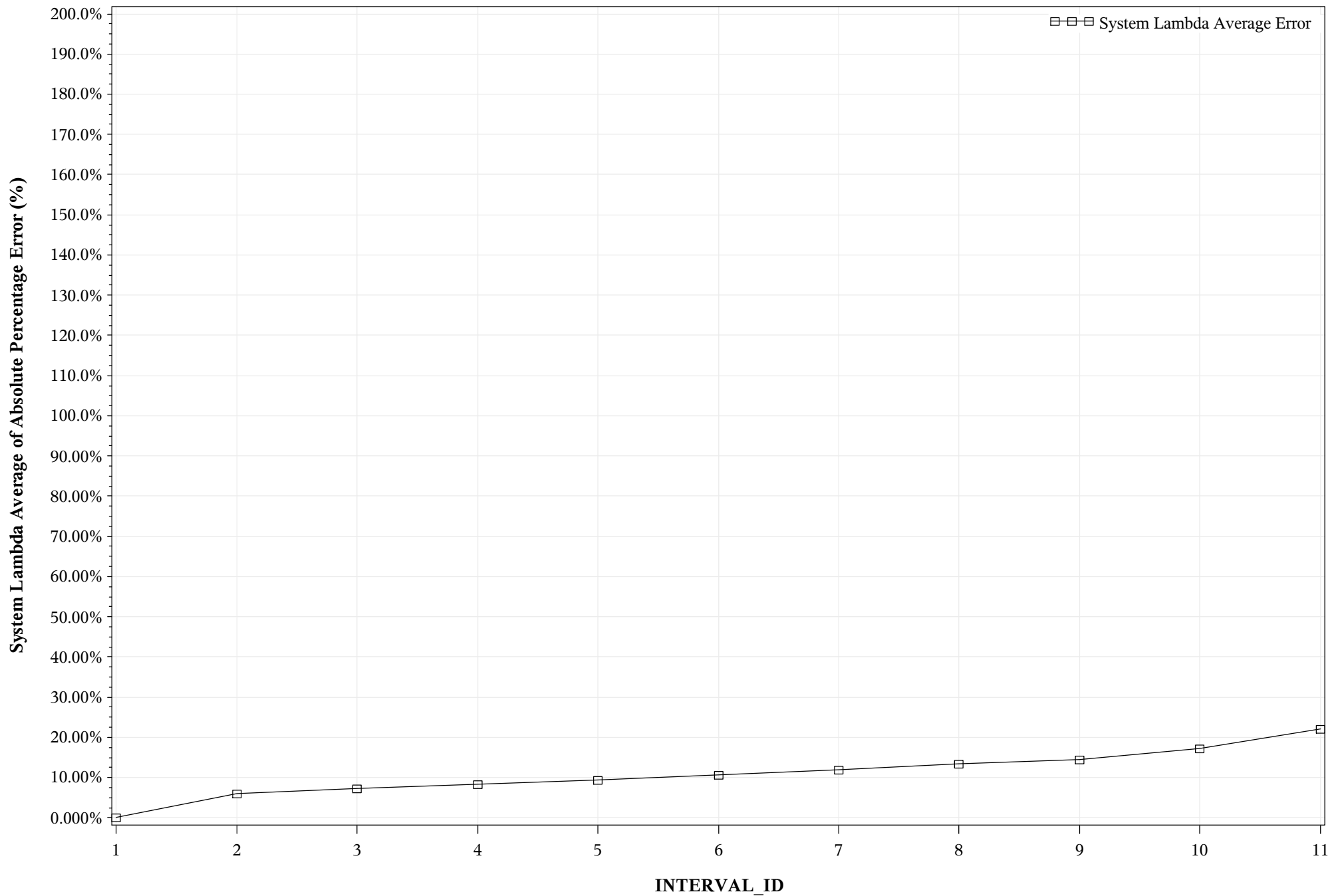
### RTD VS SCED System Lambda Average of Absolute Percentage Error --- HE 05 to 08



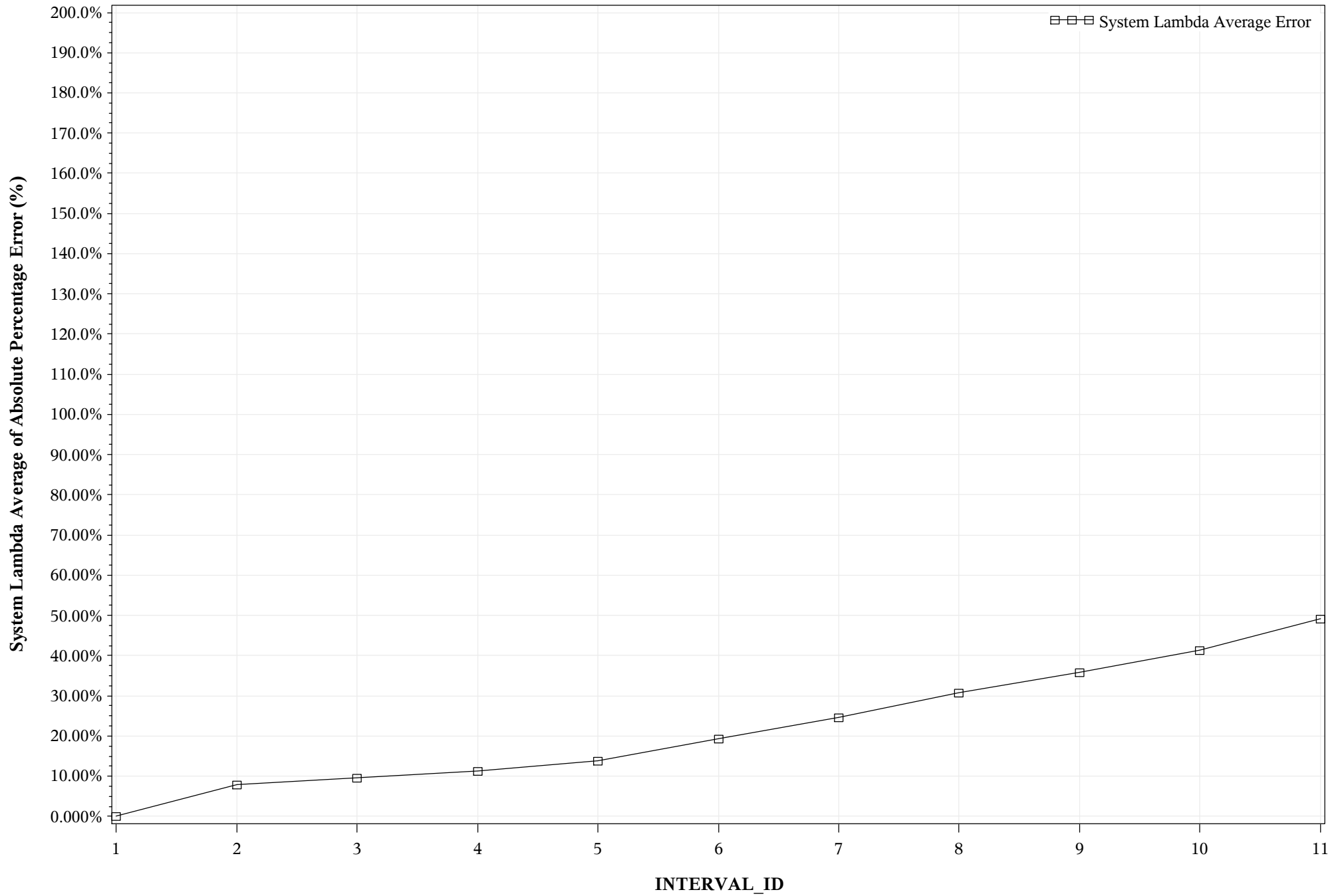
# RTD VS SCED System Lambda Average of Absolute Percentage Error --- HE 09 to 12



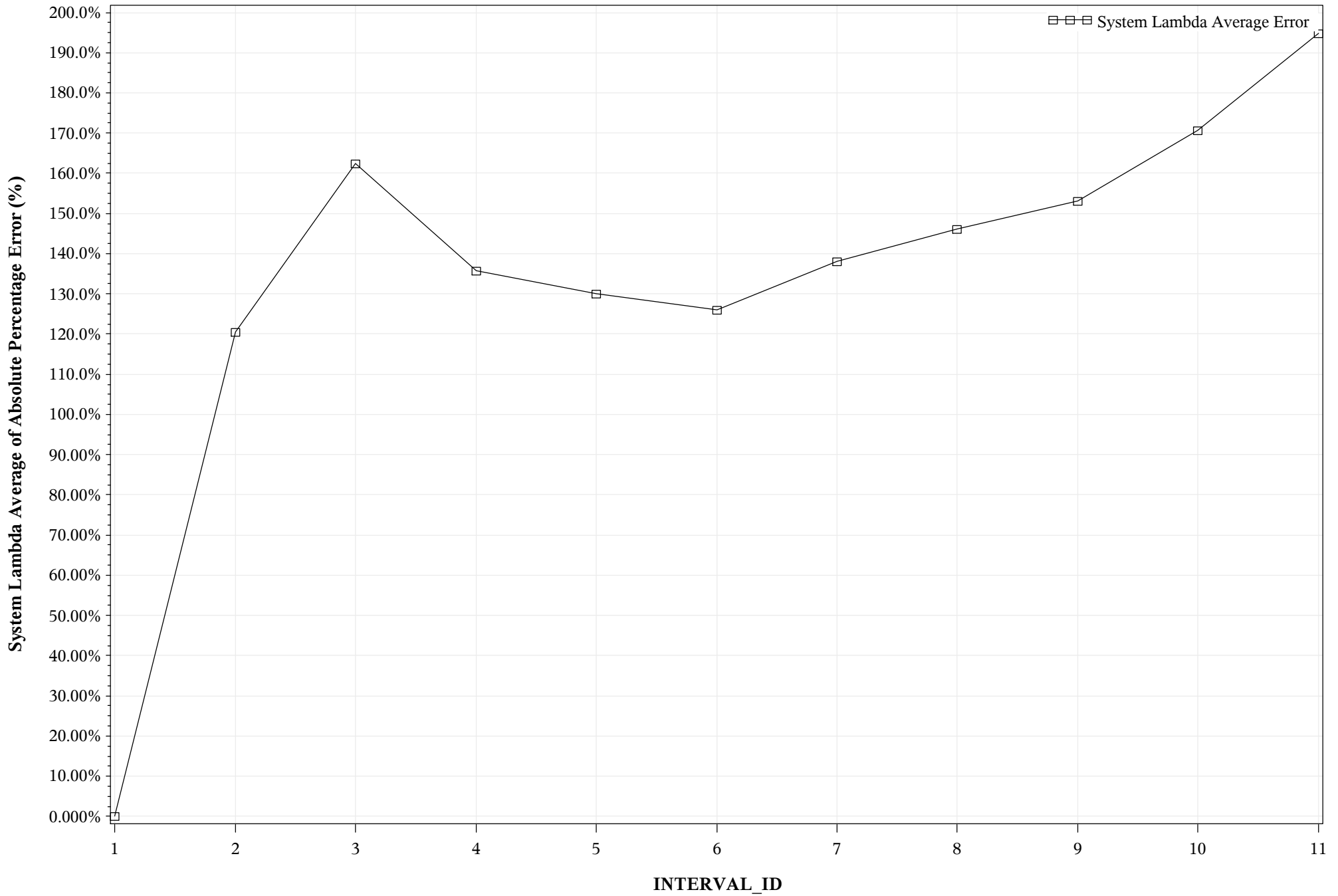
## RTD VS SCED System Lambda Average of Absolute Percentage Error --- HE 13 to 16



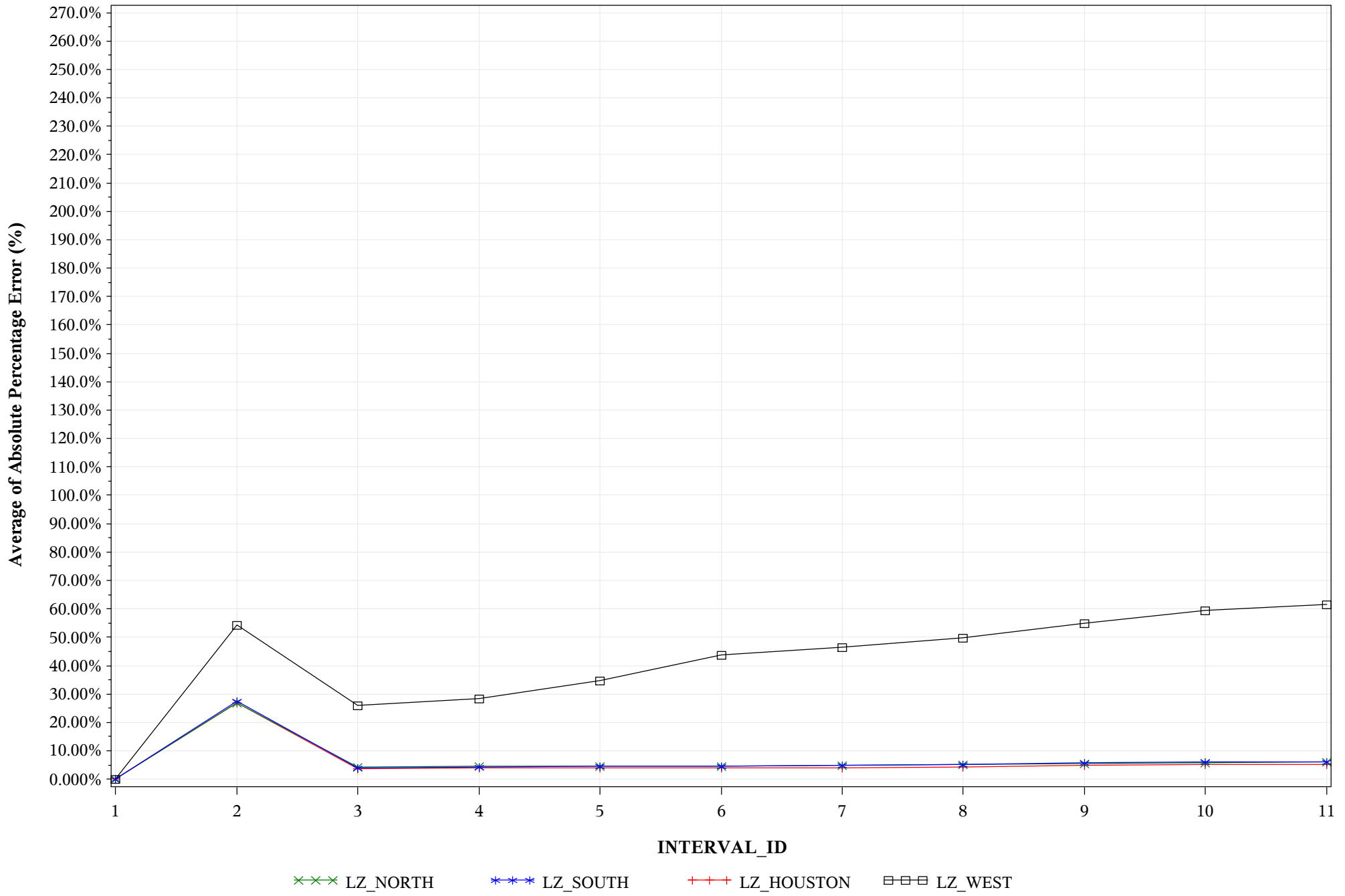
# RTD VS SCED System Lambda Average of Absolute Percentage Error --- HE 17 to 20



### RTD VS SCED System Lambda Average of Absolute Percentage Error --- HE 21 to 24

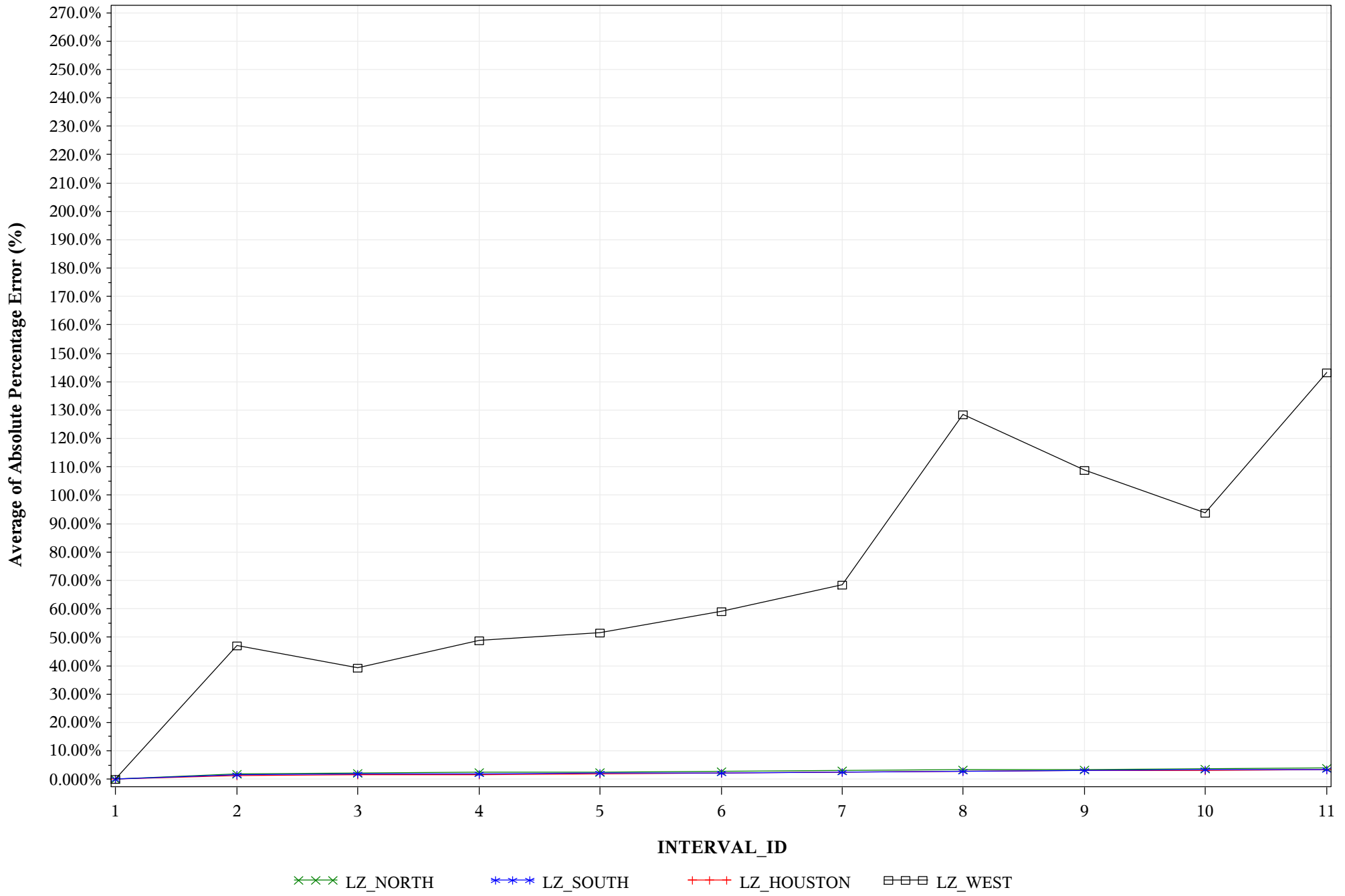


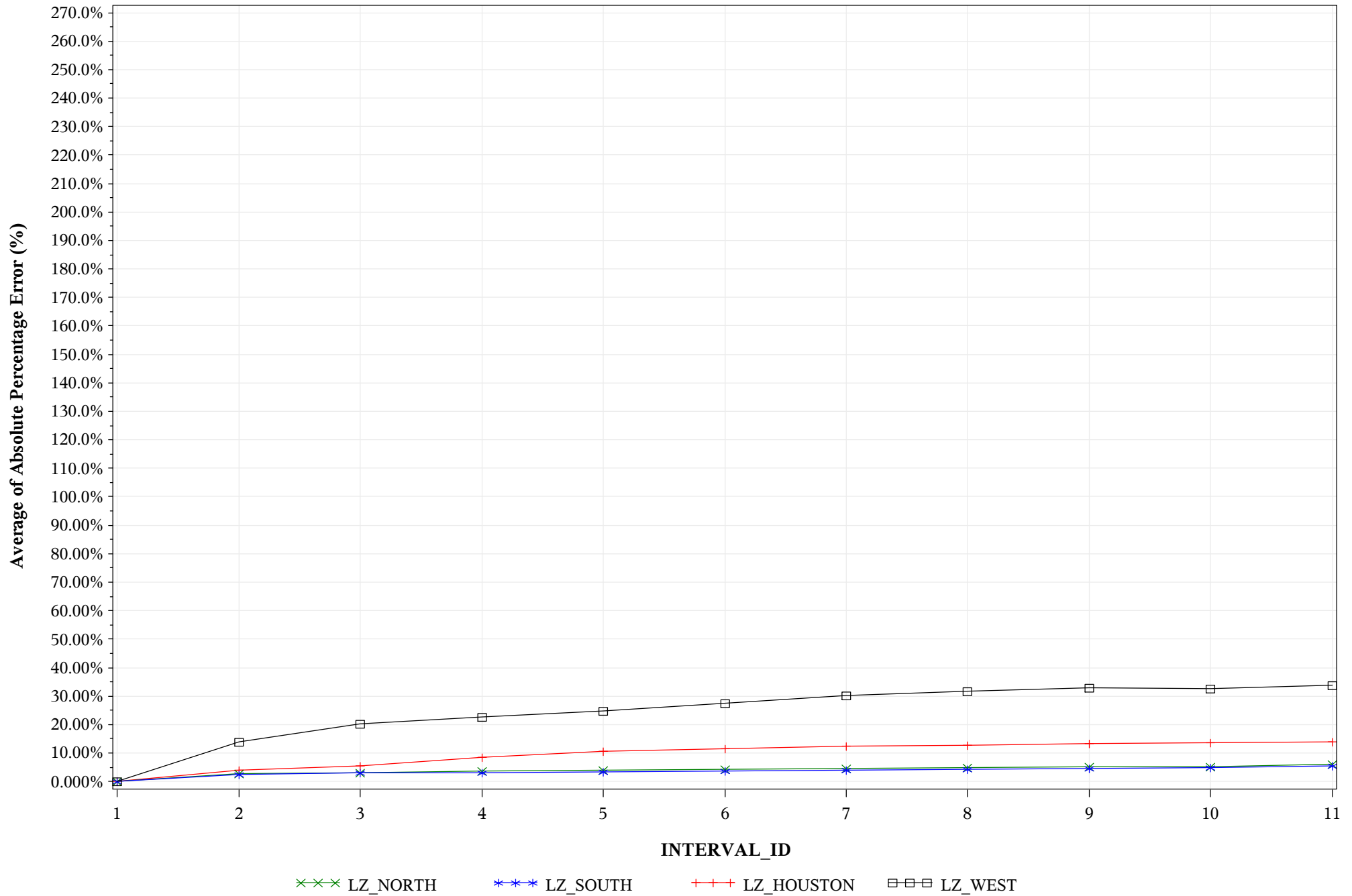
### RTD VS SCED Load Zones LMP Average of Absolute Percentage Error --- HE 01 to 04



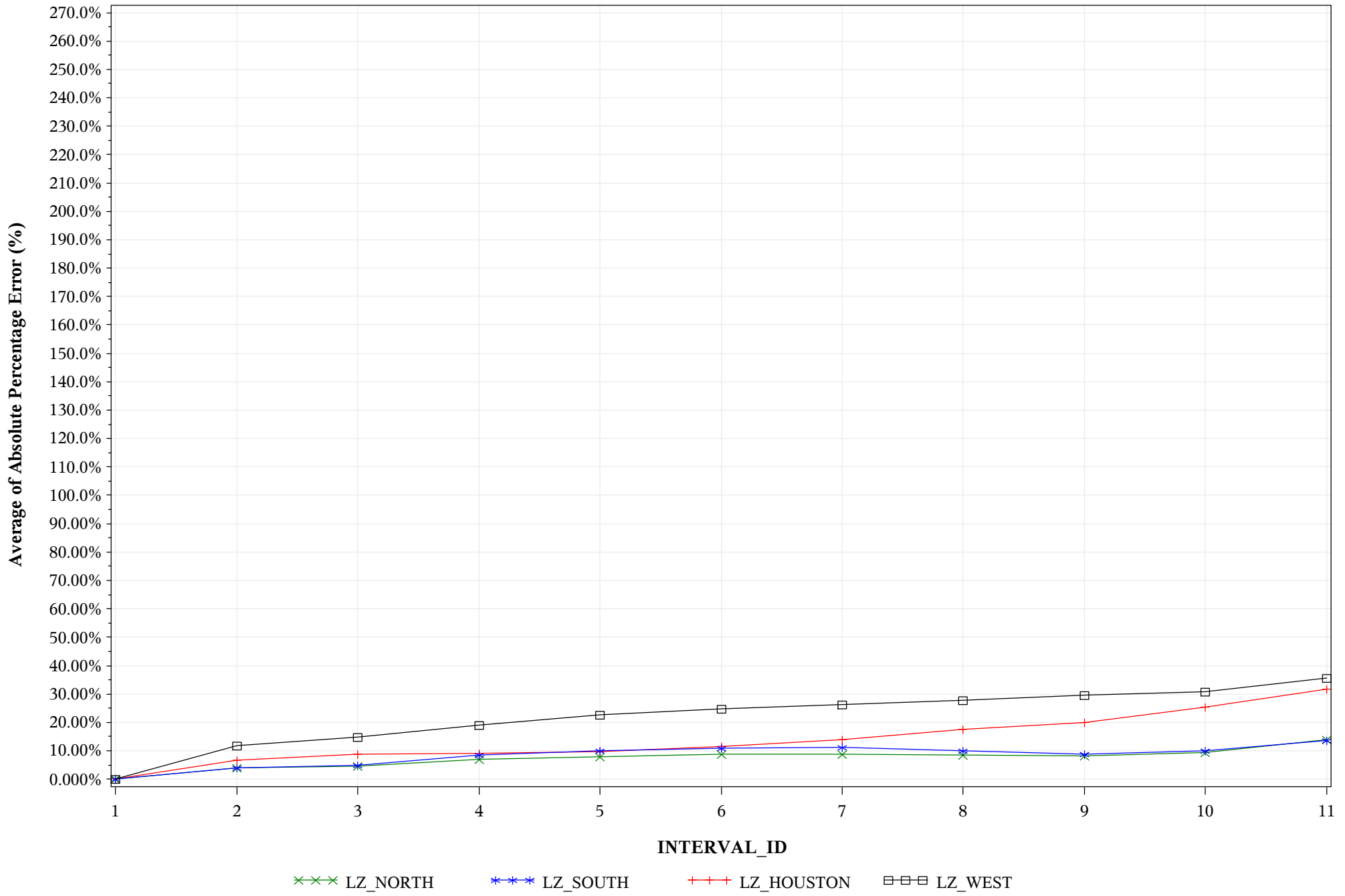


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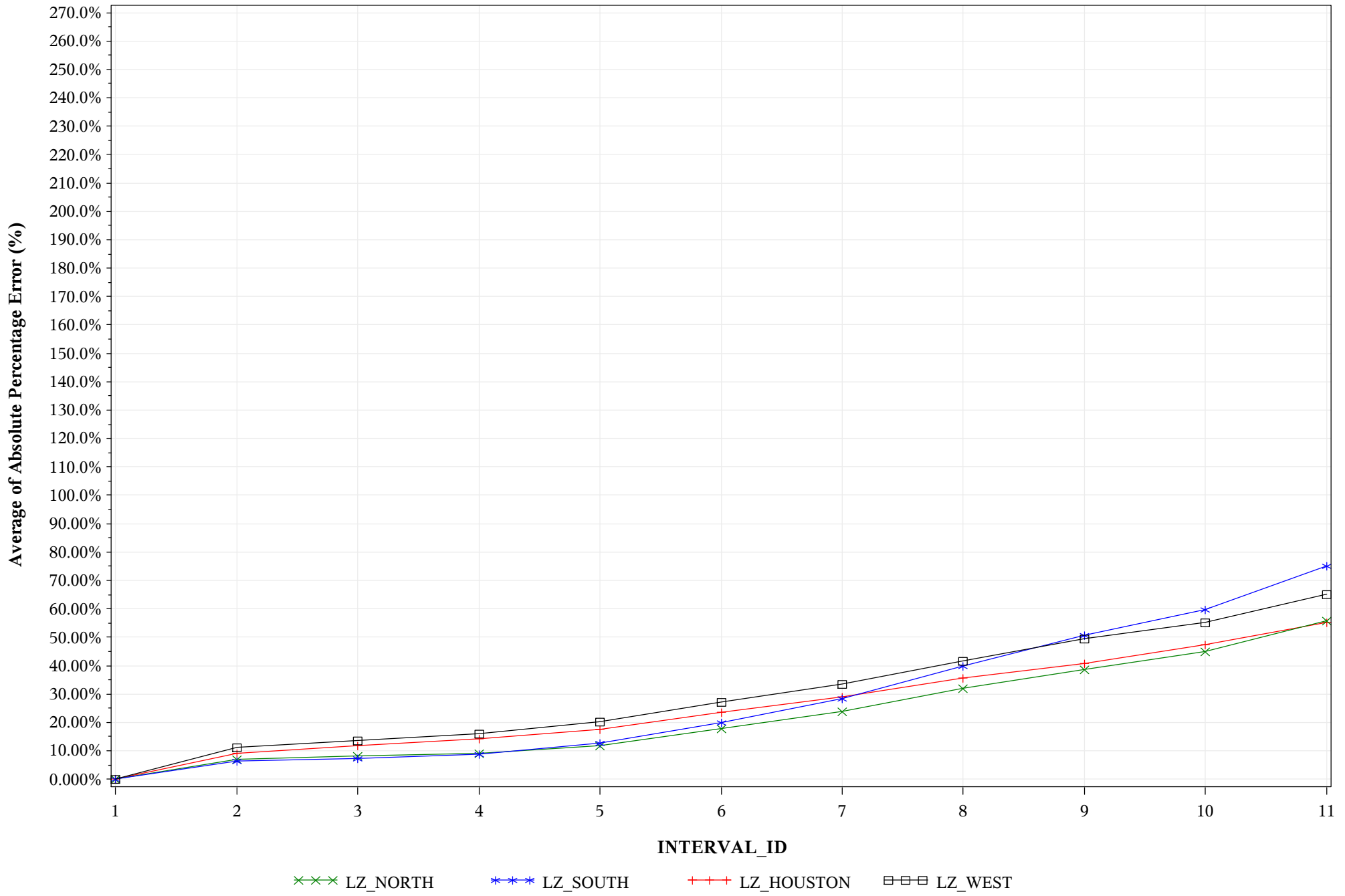


**RTD VS SCED Load Zones LMP Average of Absolute Percentage Error --- HE 09 to 12**

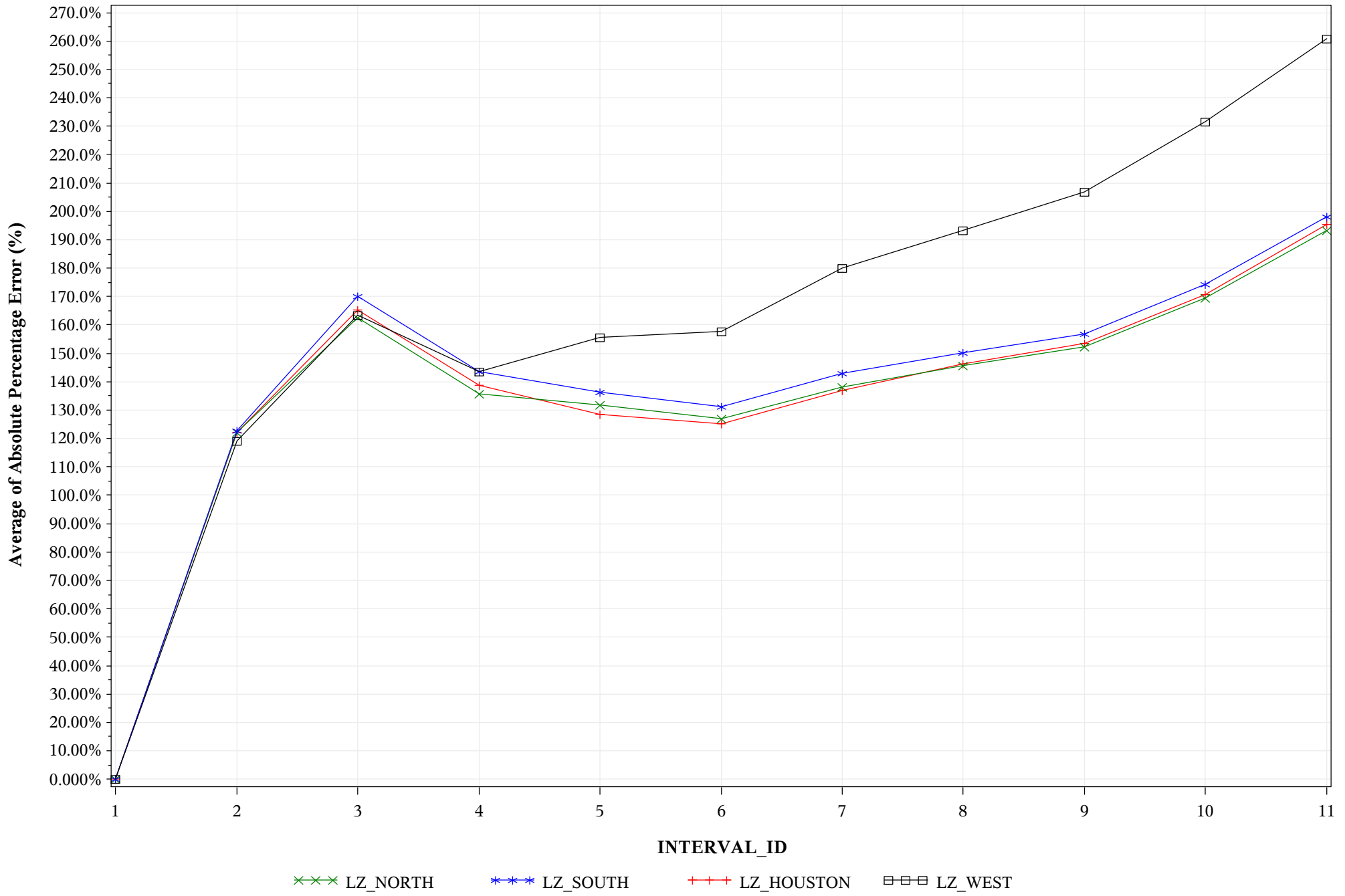
### RTD VS SCED Load Zones LMP Average of Absolute Percentage Error --- HE 13 to 16



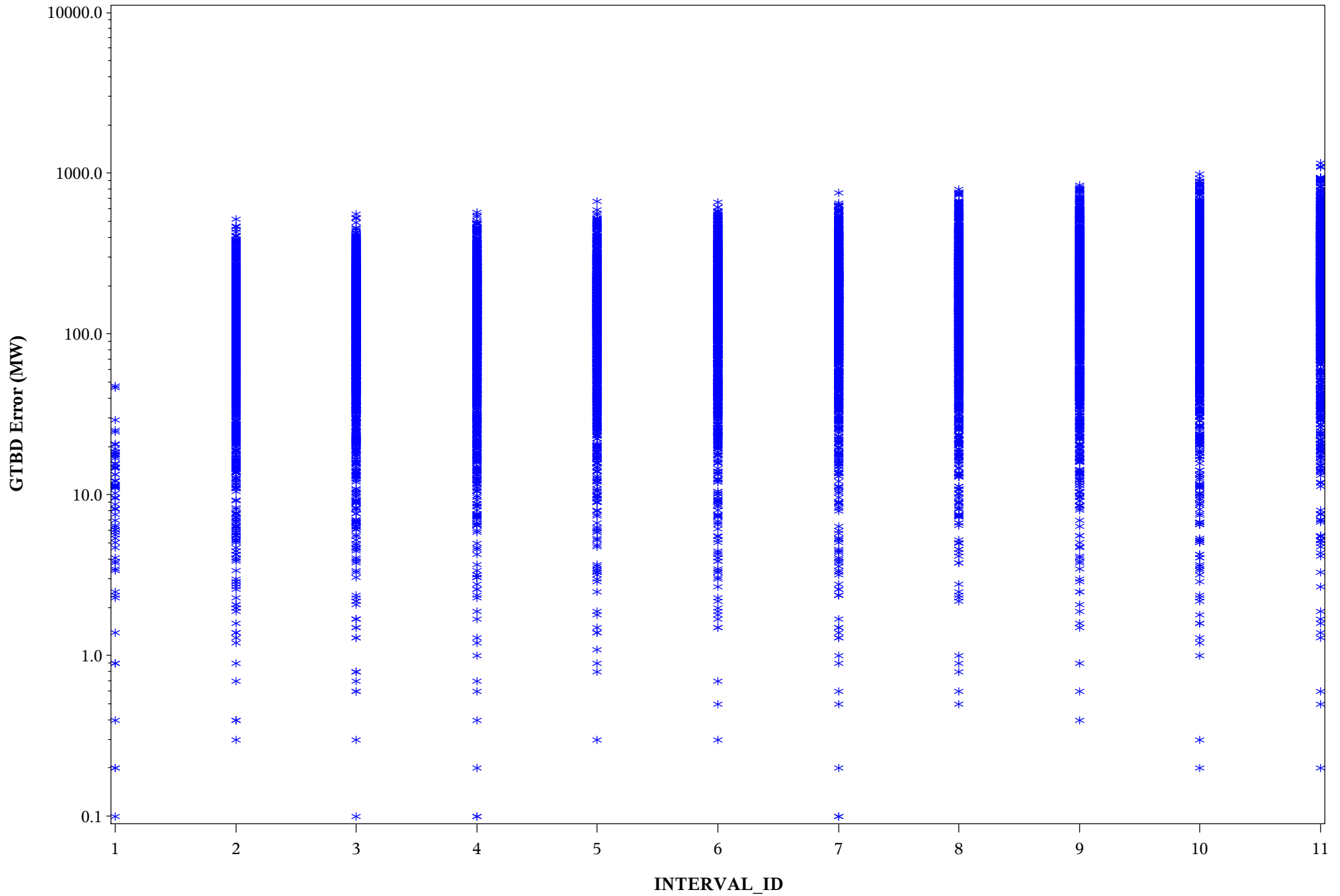
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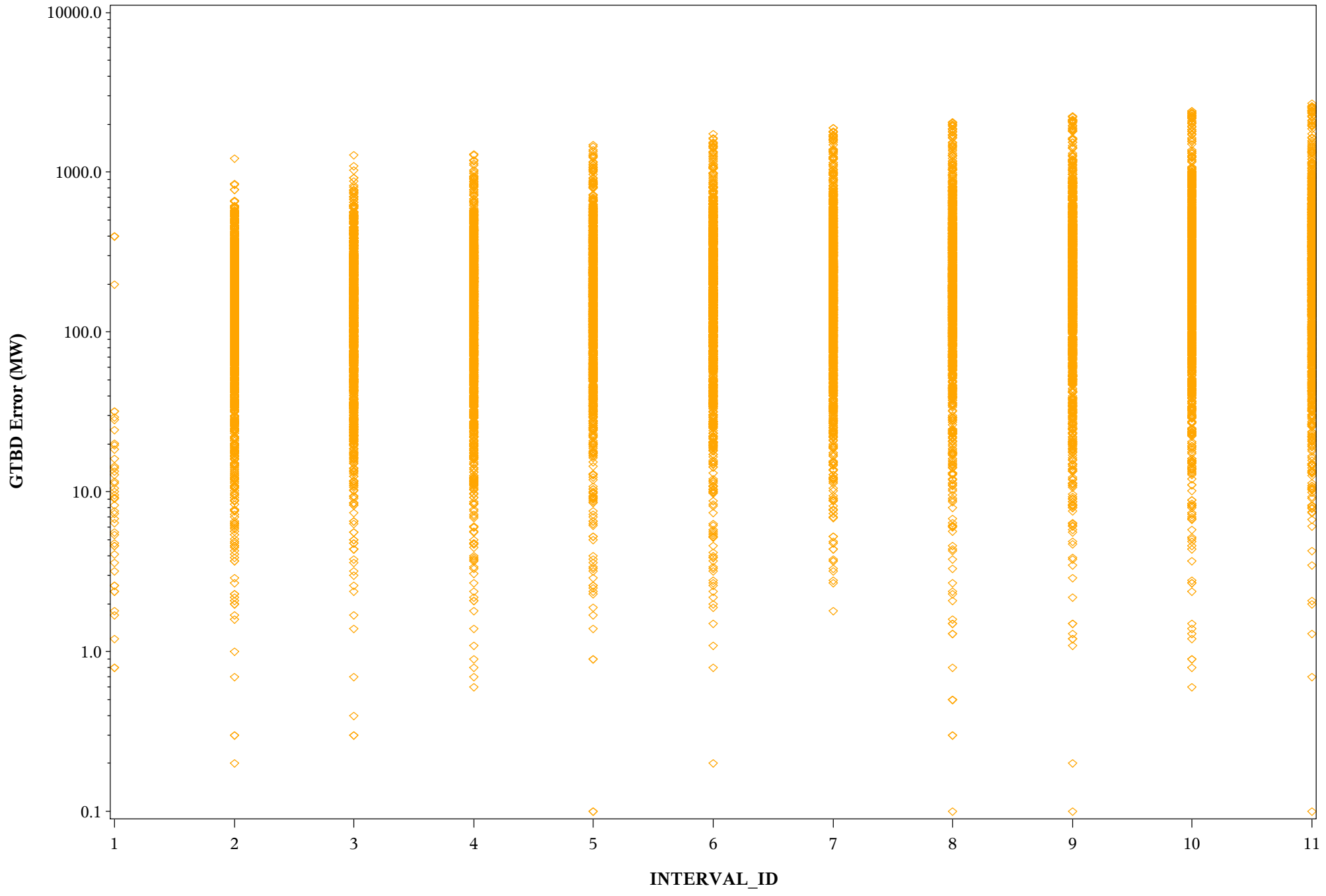
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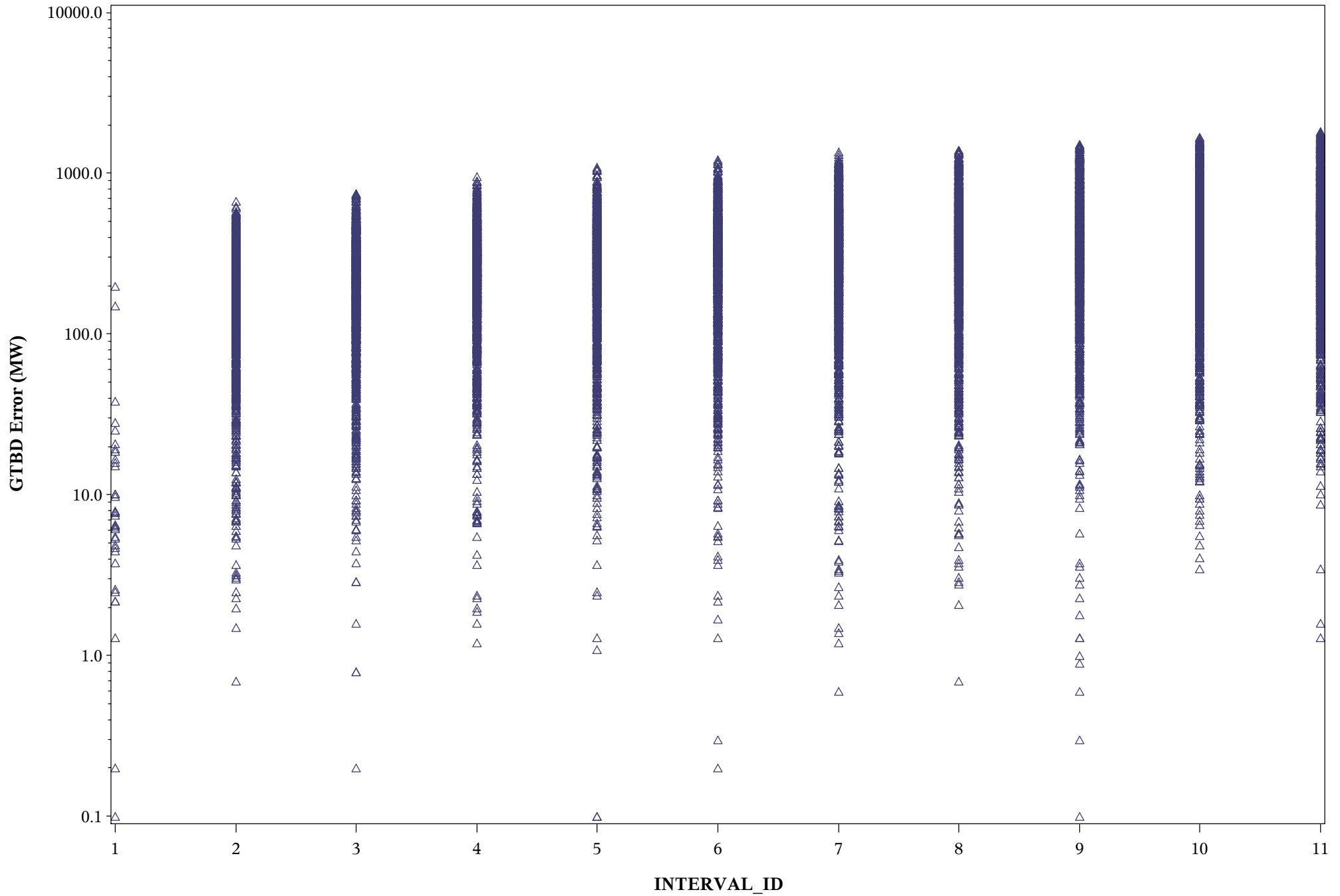
## RTD VS SCED GTBD Absolute MW Error in Logarithmic --- HE 01 to 04



### RTD VS SCED GTBD Absolute MW Error in Logarithmic --- HE 05 to 08

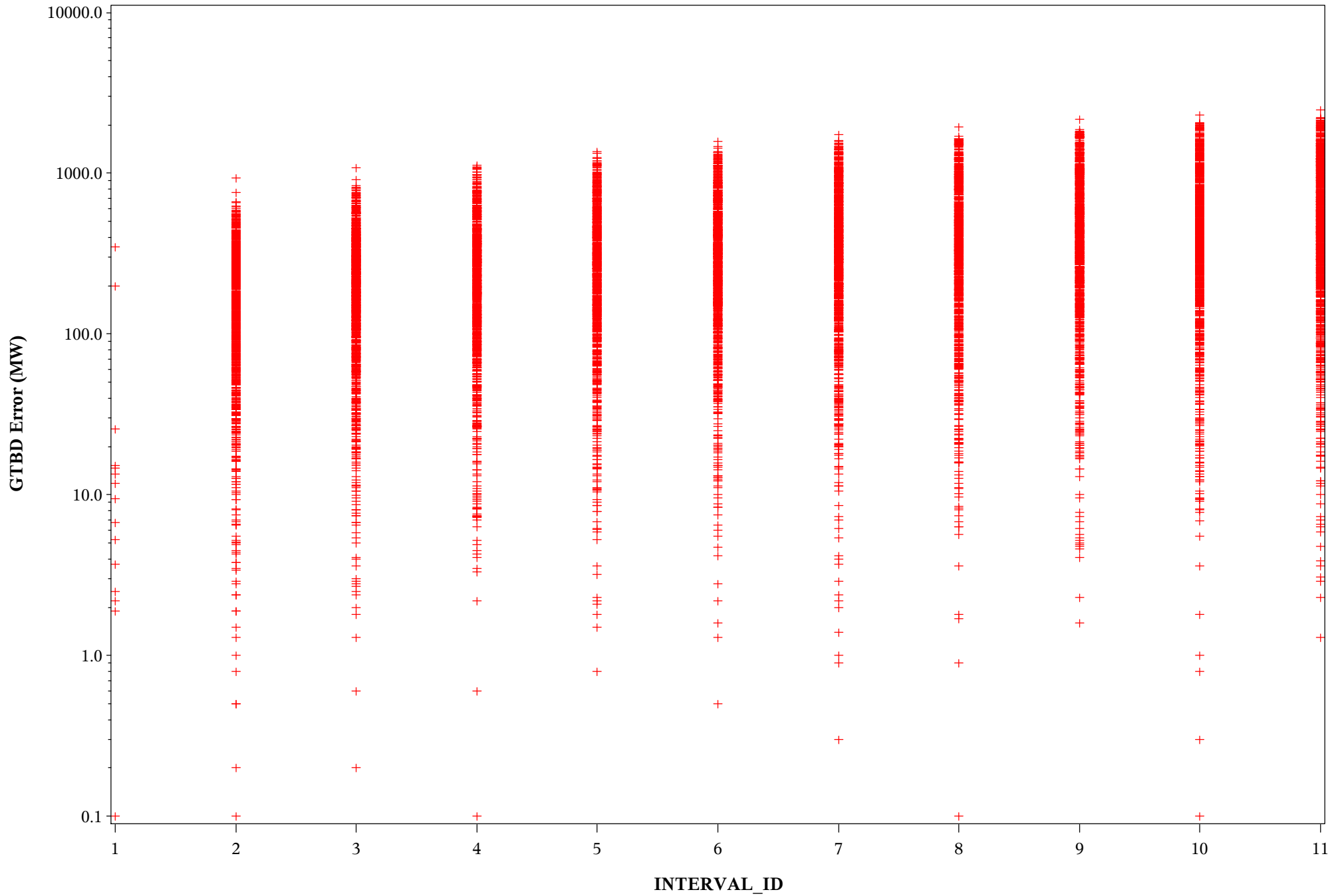


## RTD VS SCED GTBD Absolute MW Error in Logarithmic --- HE 09 to 12

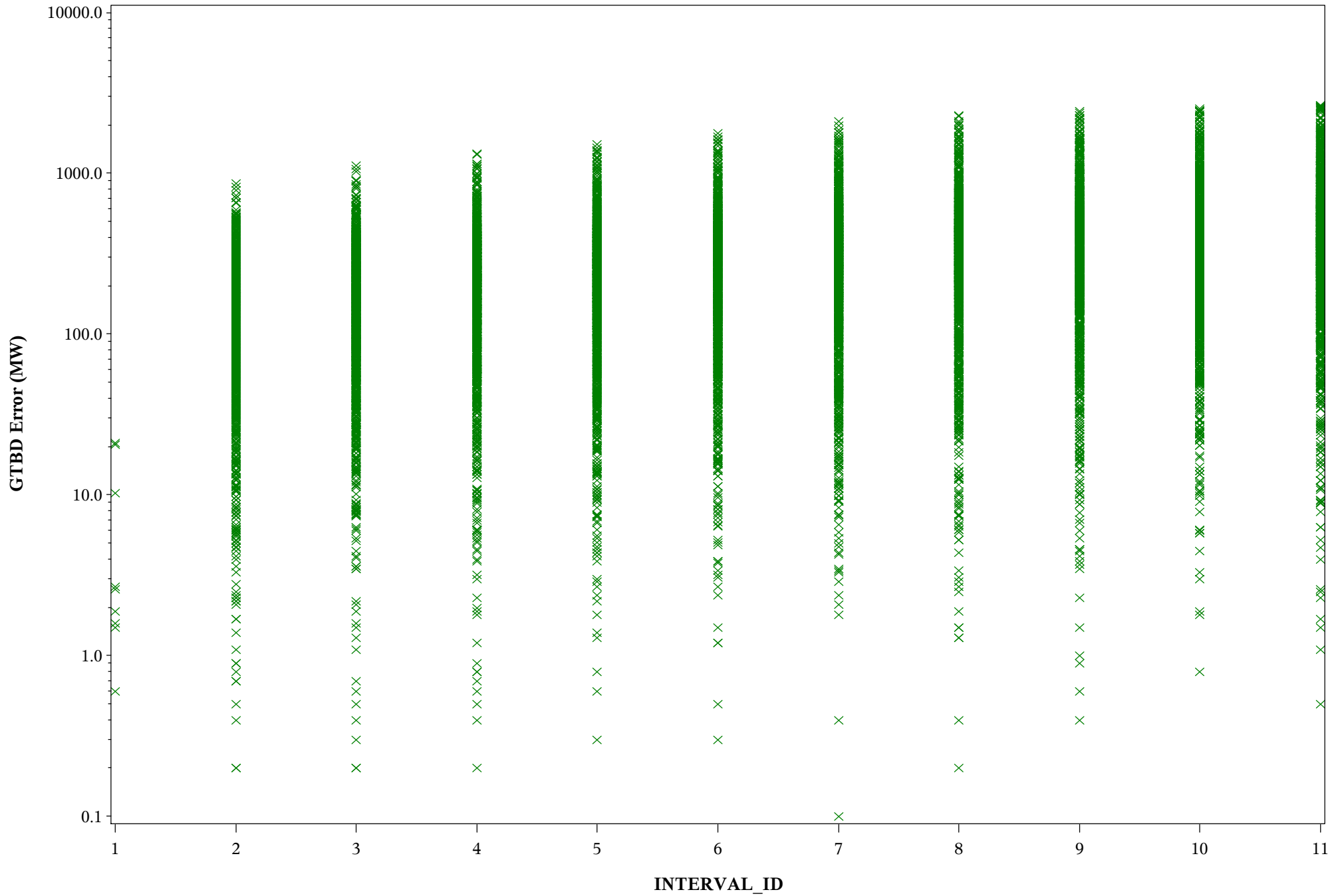




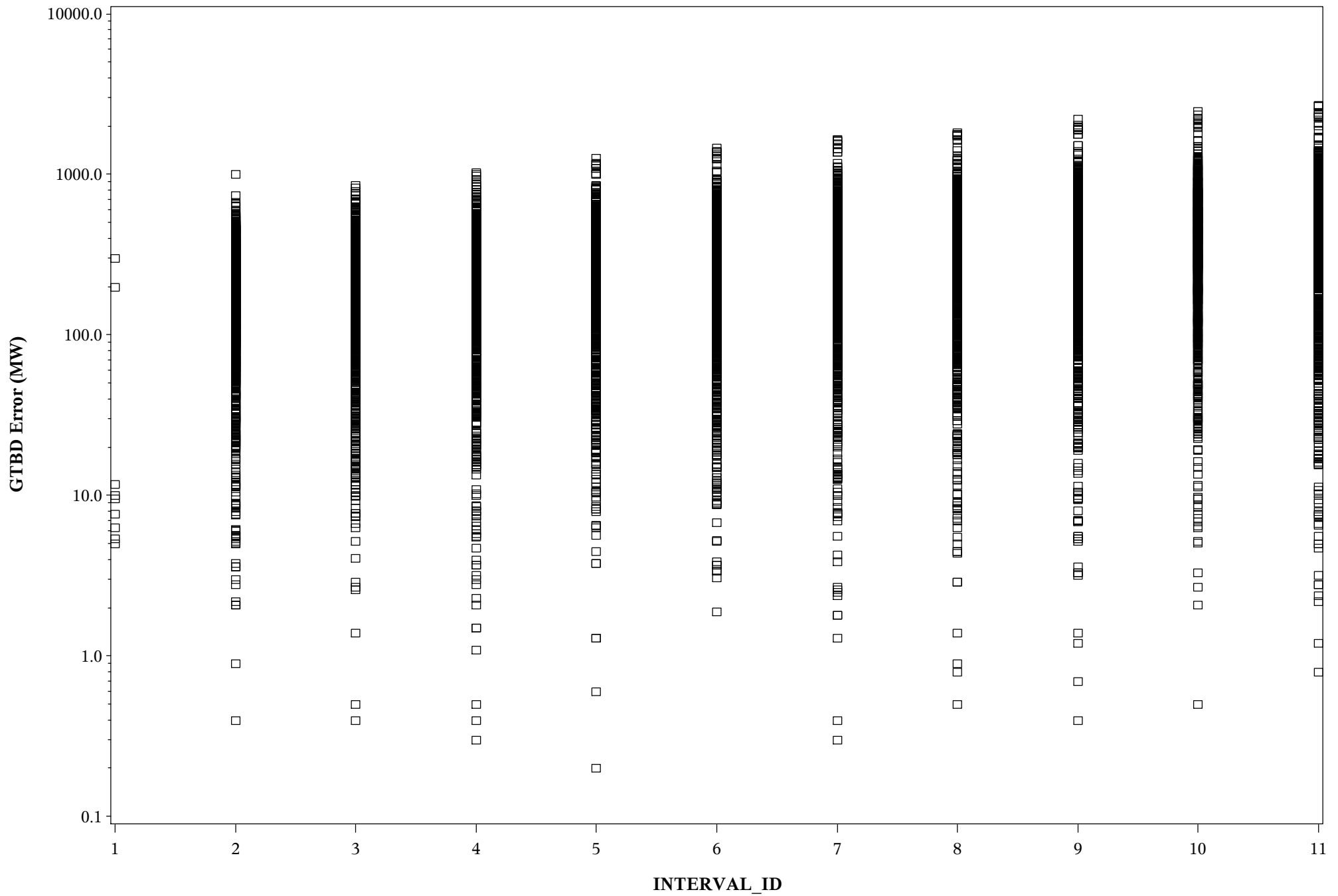
## RTD VS SCED GTBD Absolute MW Error in Logarithmic --- HE 13 to 16



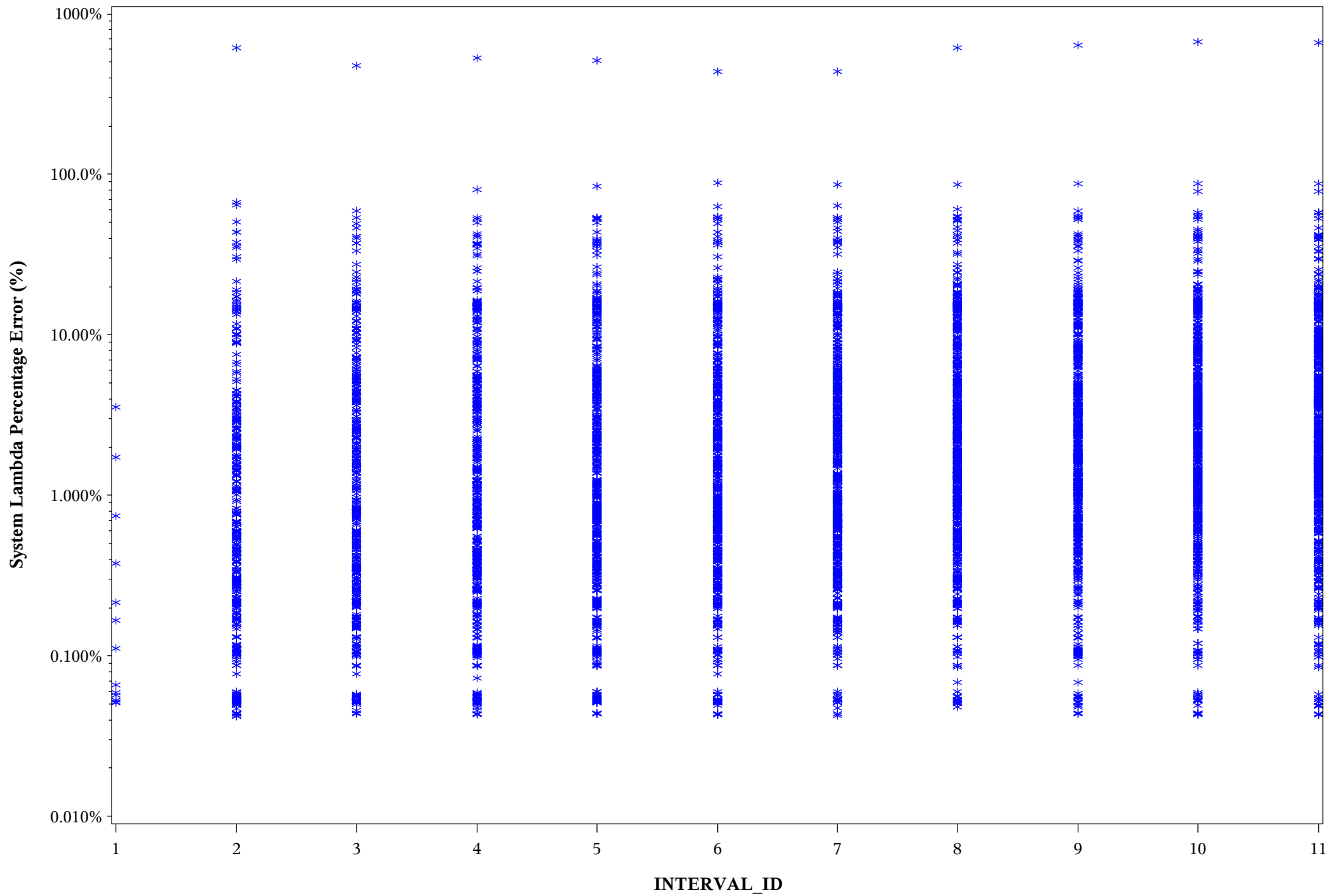
## RTD VS SCED GTBD Absolute MW Error in Logarithmic --- HE 17 to 20

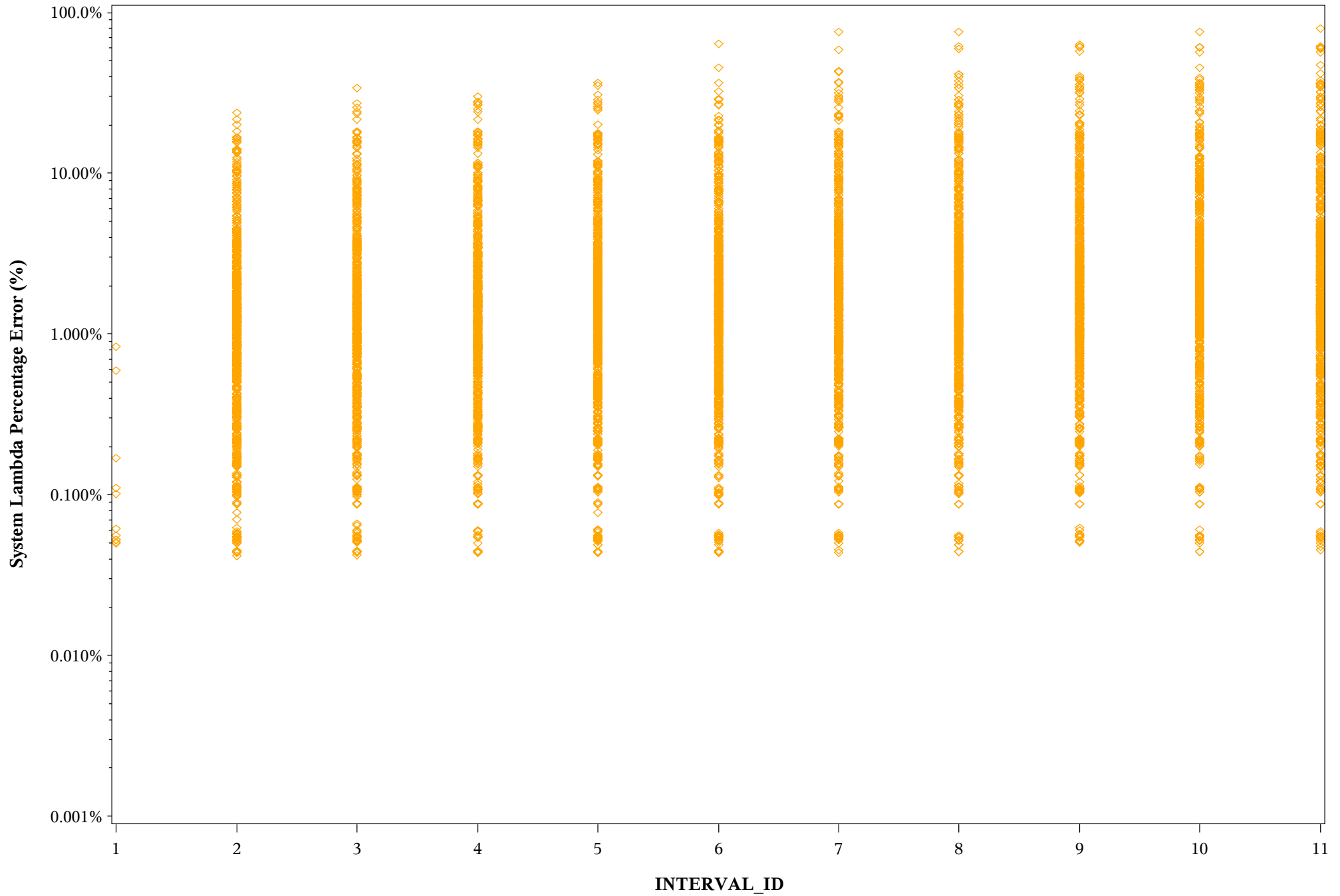


## RTD VS SCED GTBD Absolute MW Error in Logarithmic --- HE 21 to 24

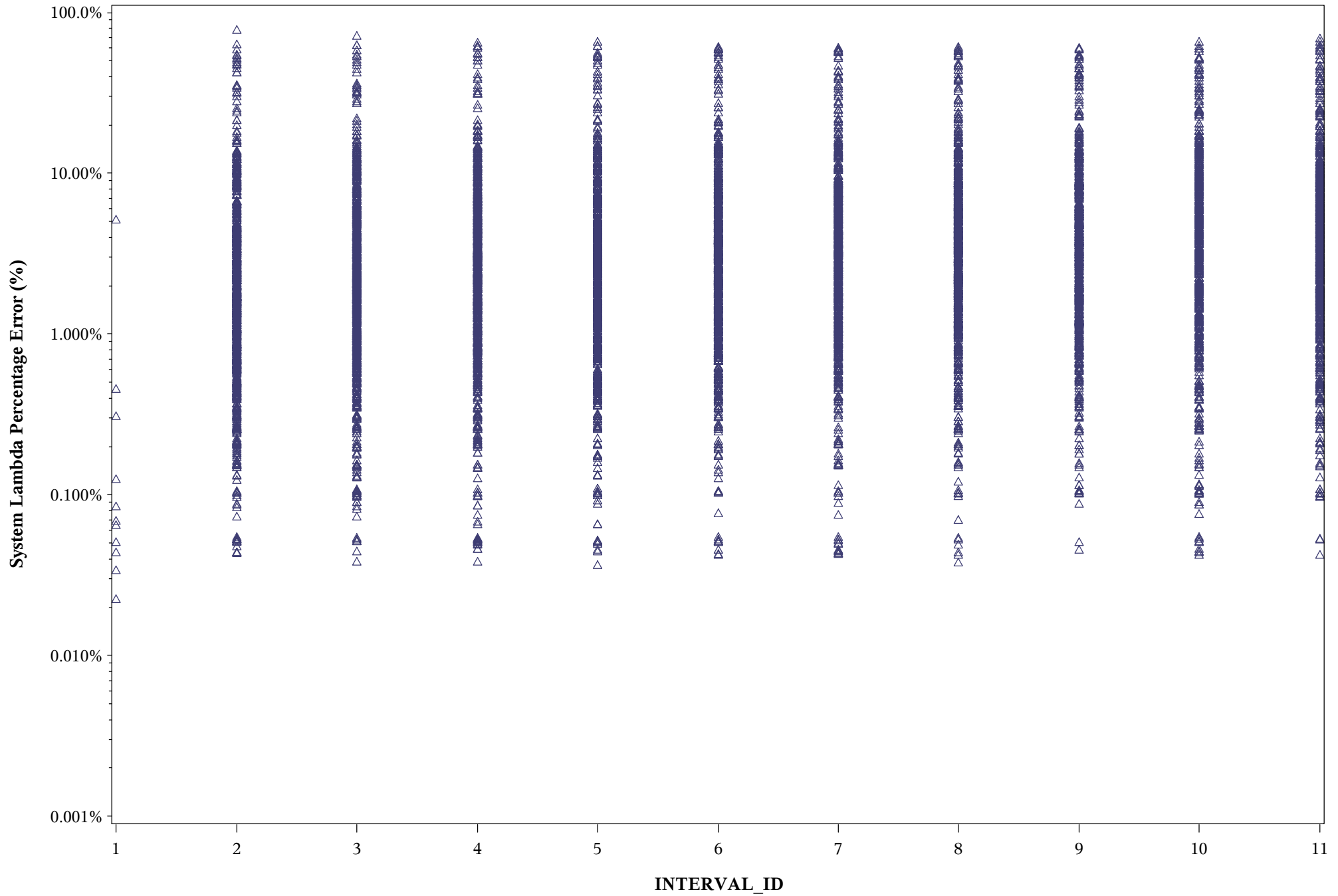


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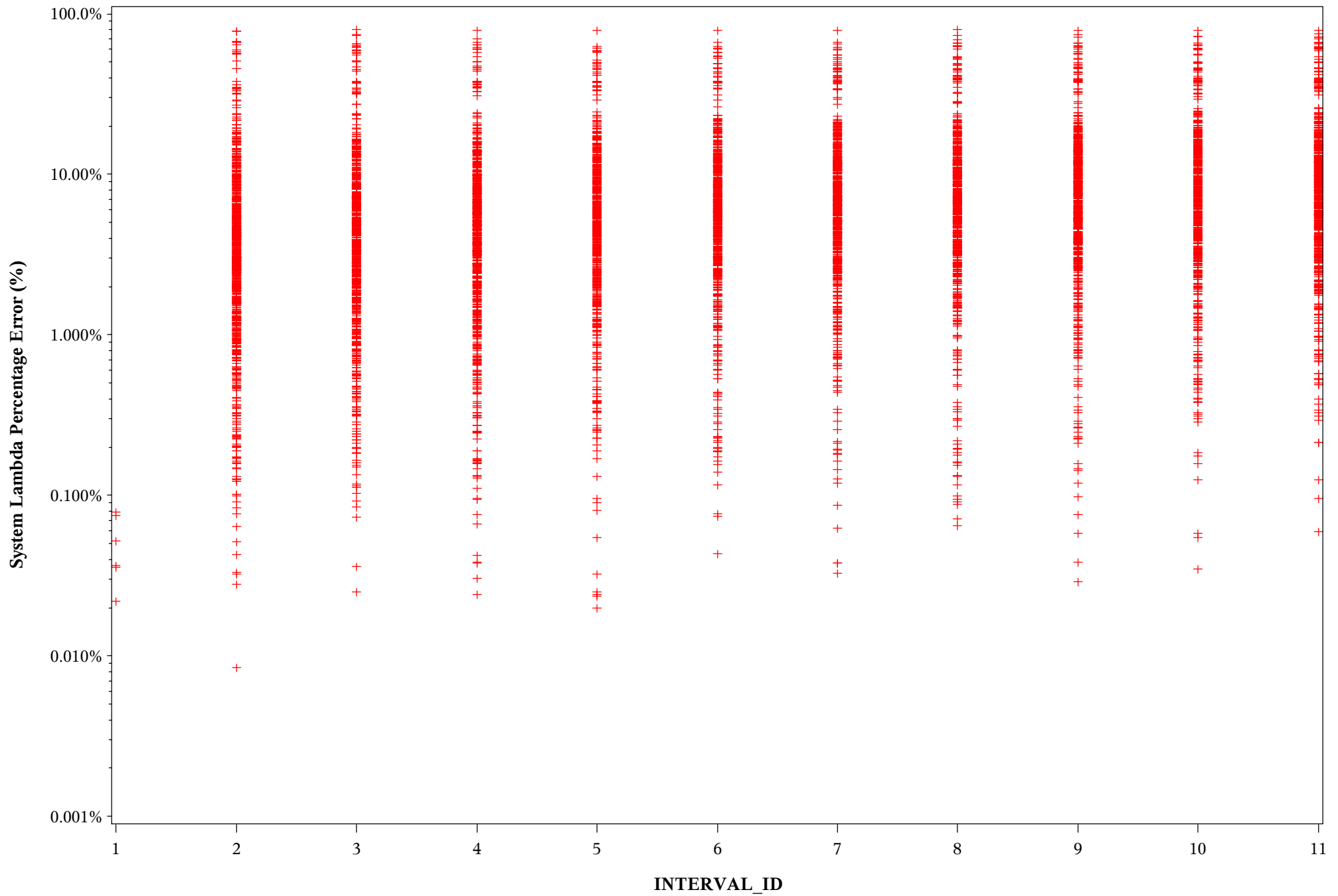


**RTD VS SCED System Lambda Absolute Percentage Error in Logarithmic --- HE 05 to 08**

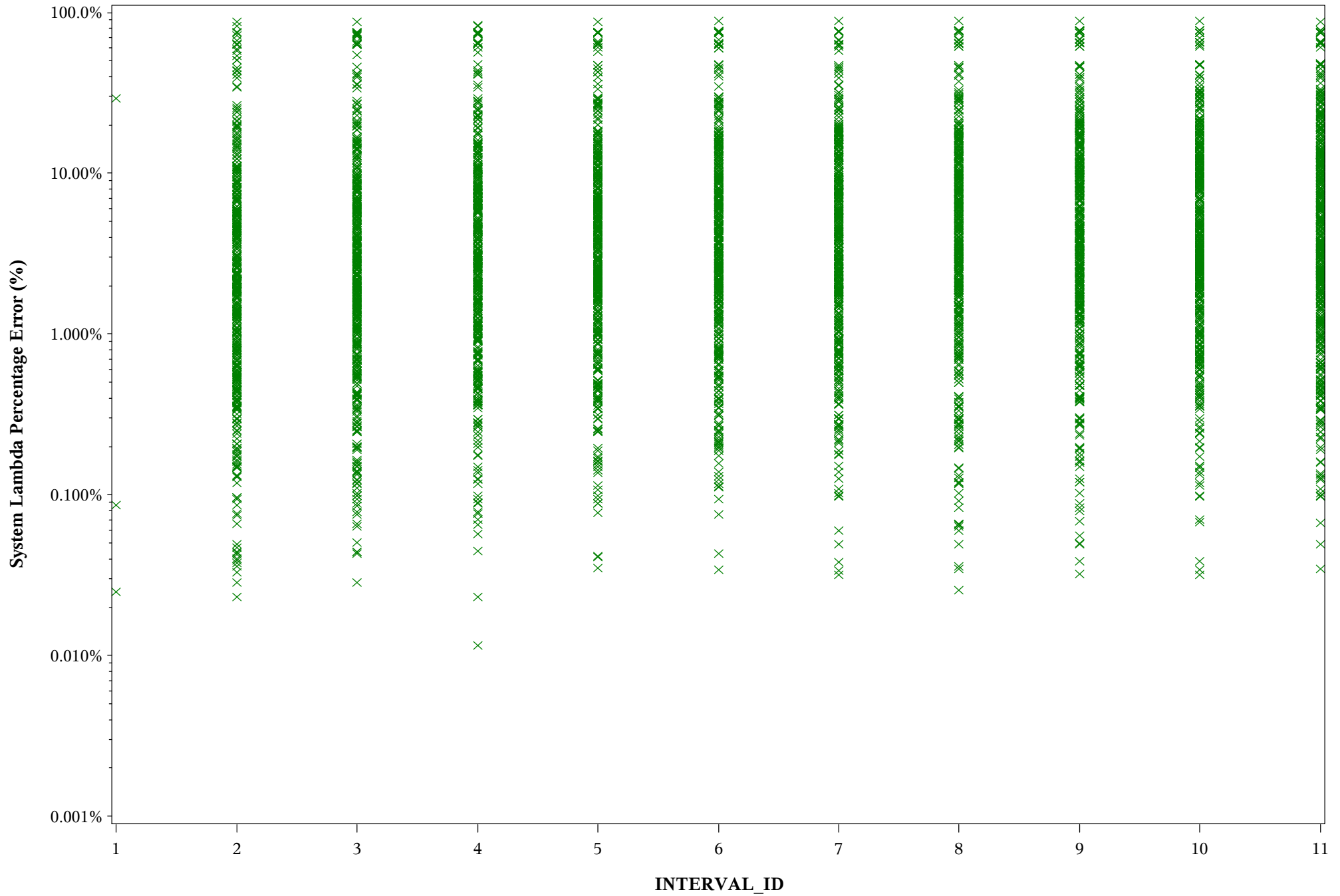
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## RTD VS SCED System Lambda Absolute Percentage Error in Logarithmic --- HE 13 to 16

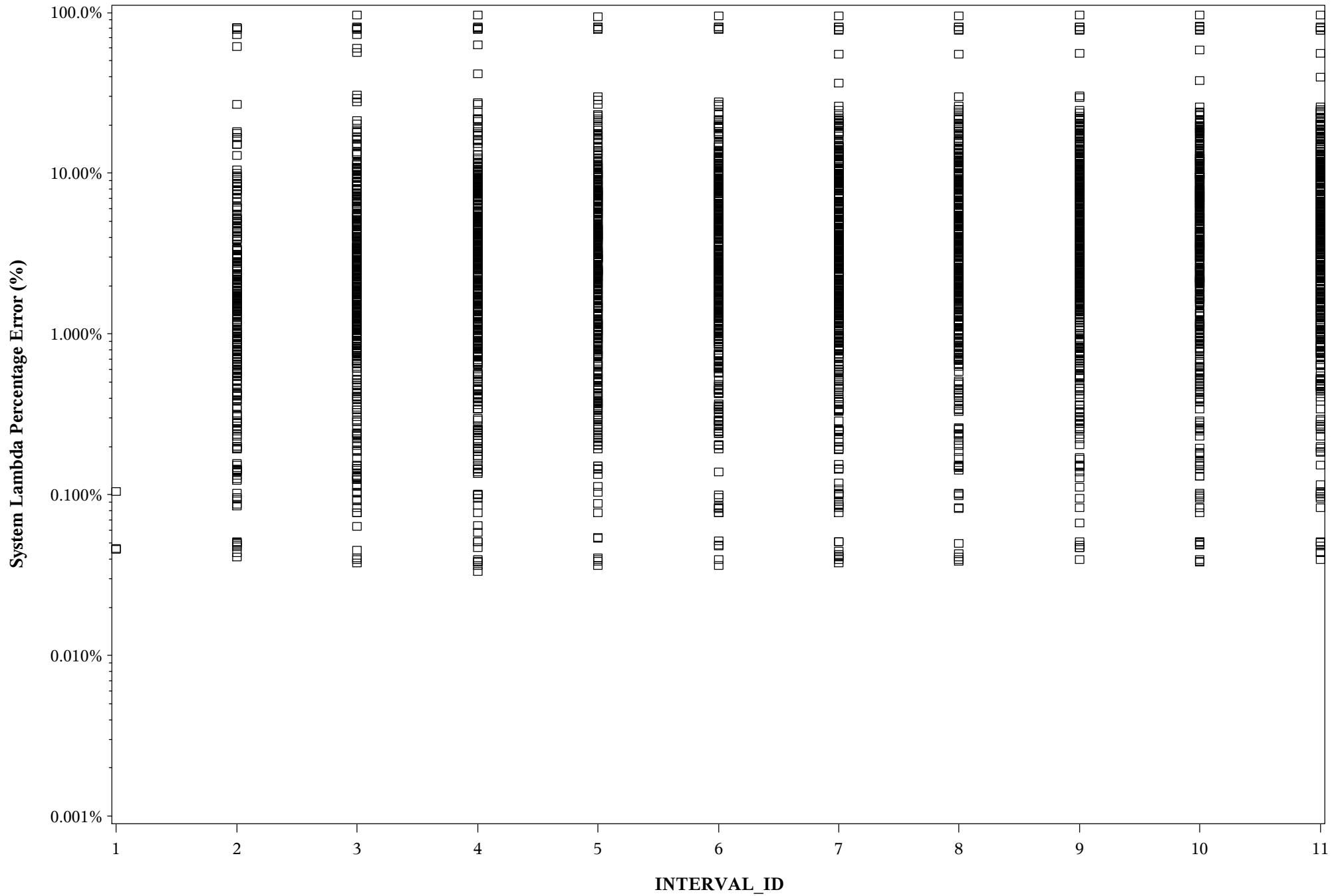


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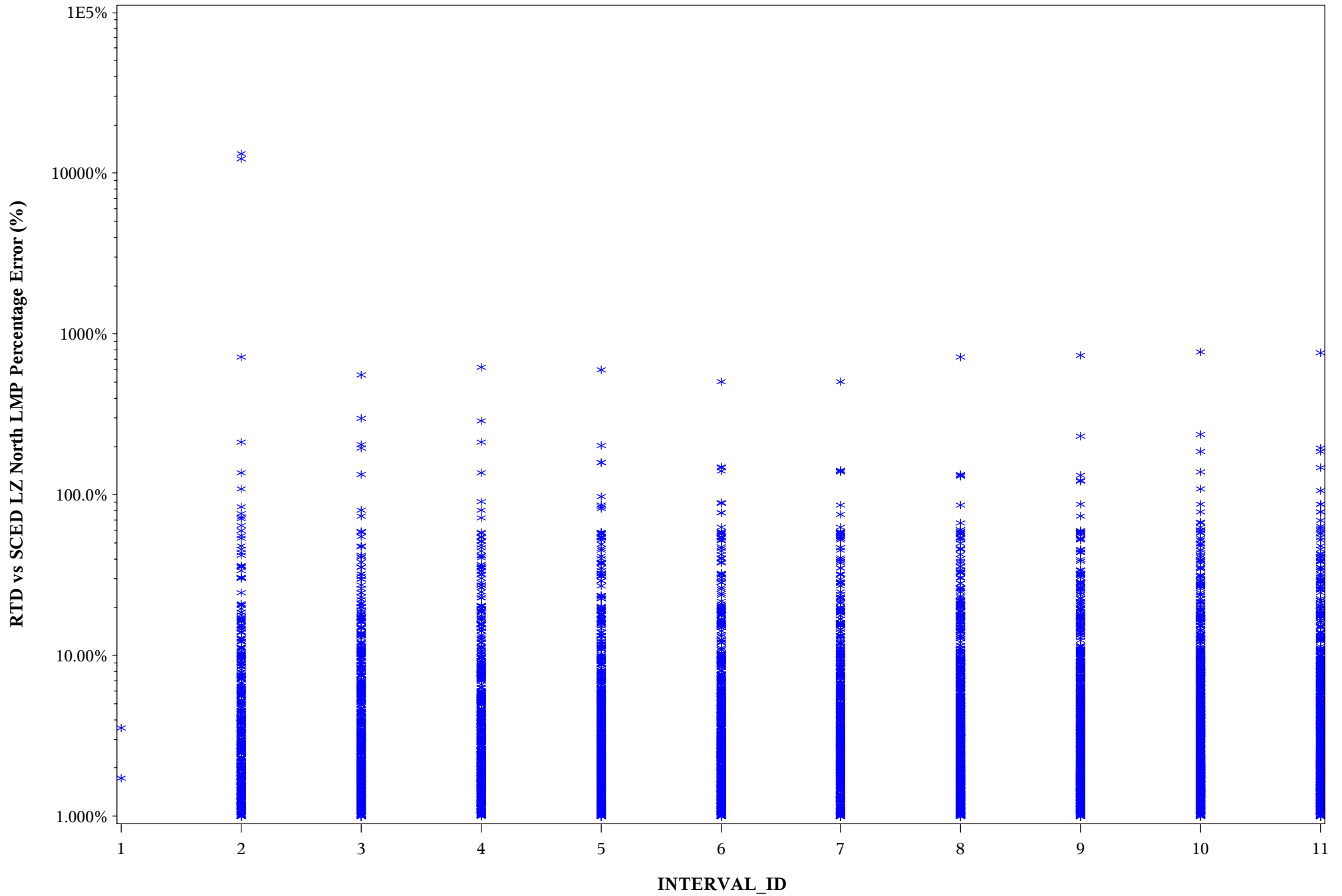




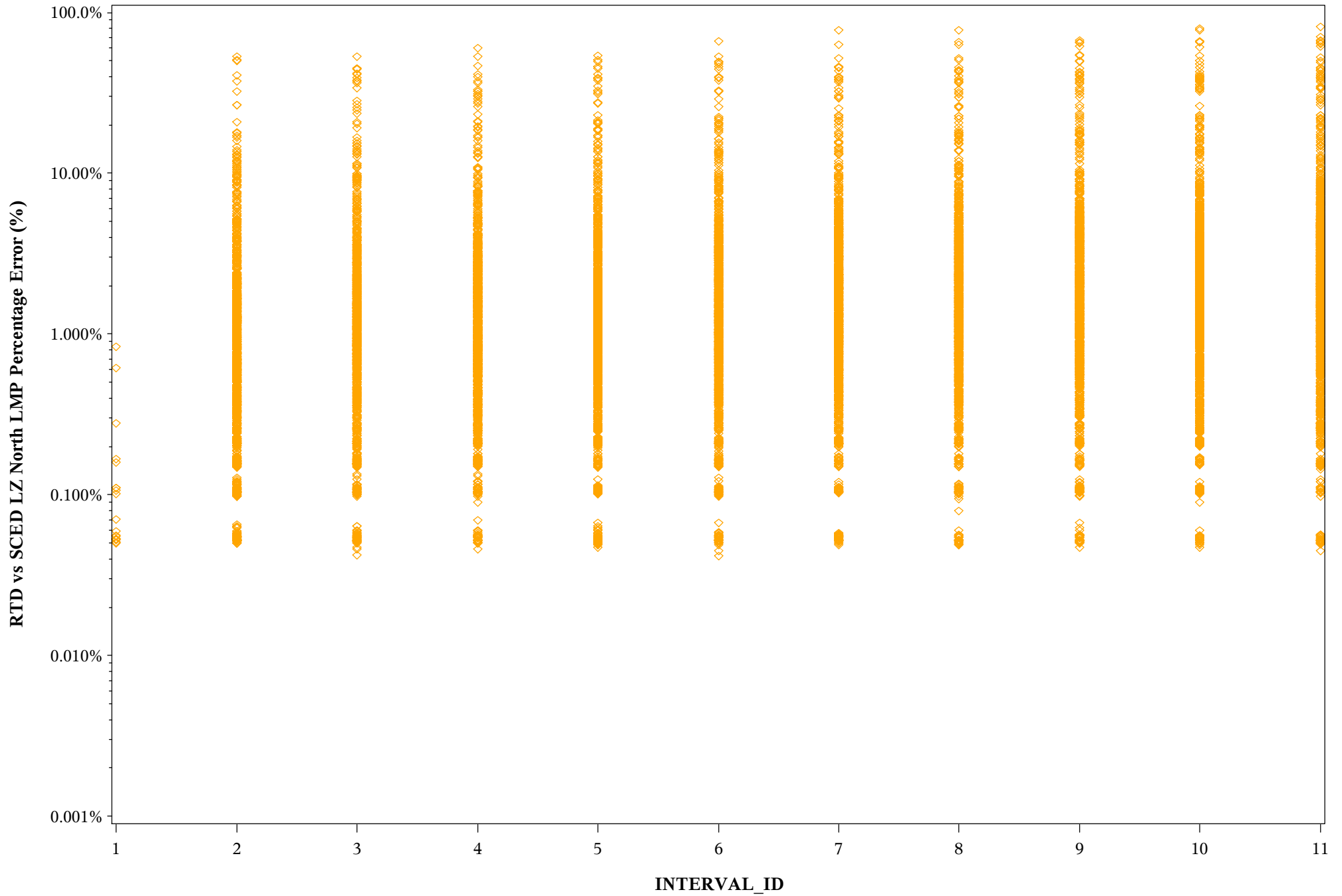
## RTD VS SCED System Lambda Absolute Percentage Error in Logarithmic --- HE 21 to 24



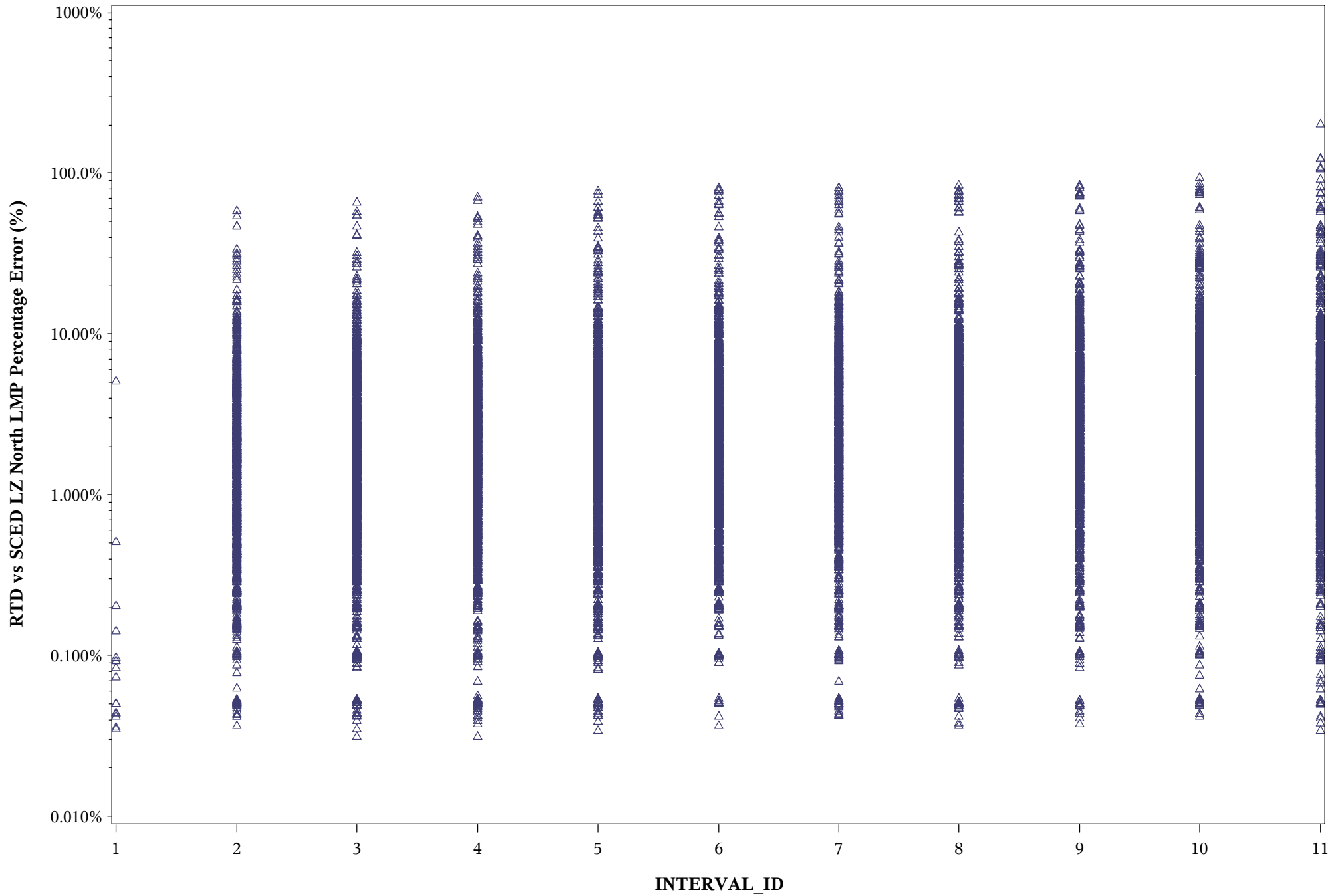
## RTD VS SCED LZ North Percentage Error in Logarithmic --- HE 01 to 04



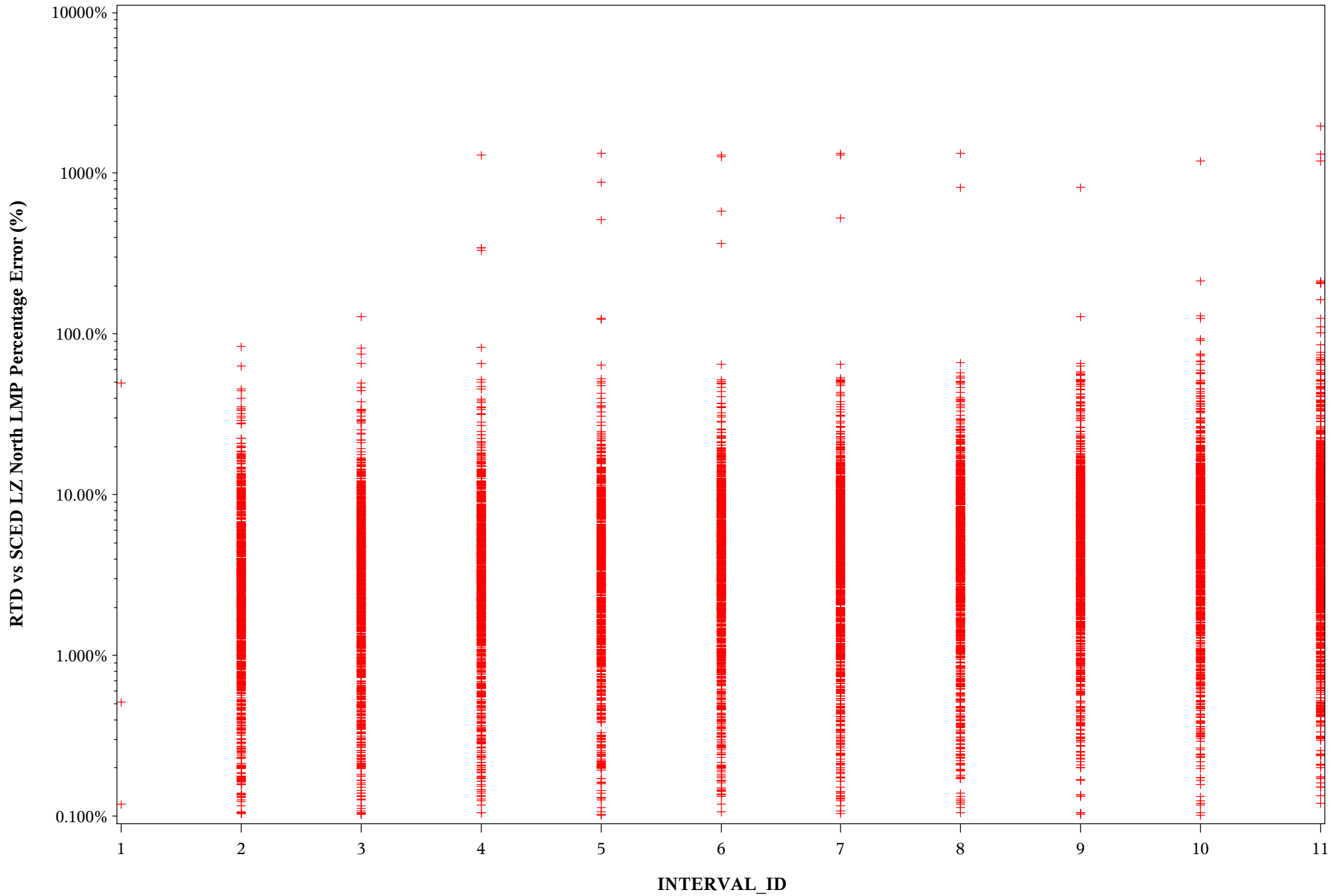
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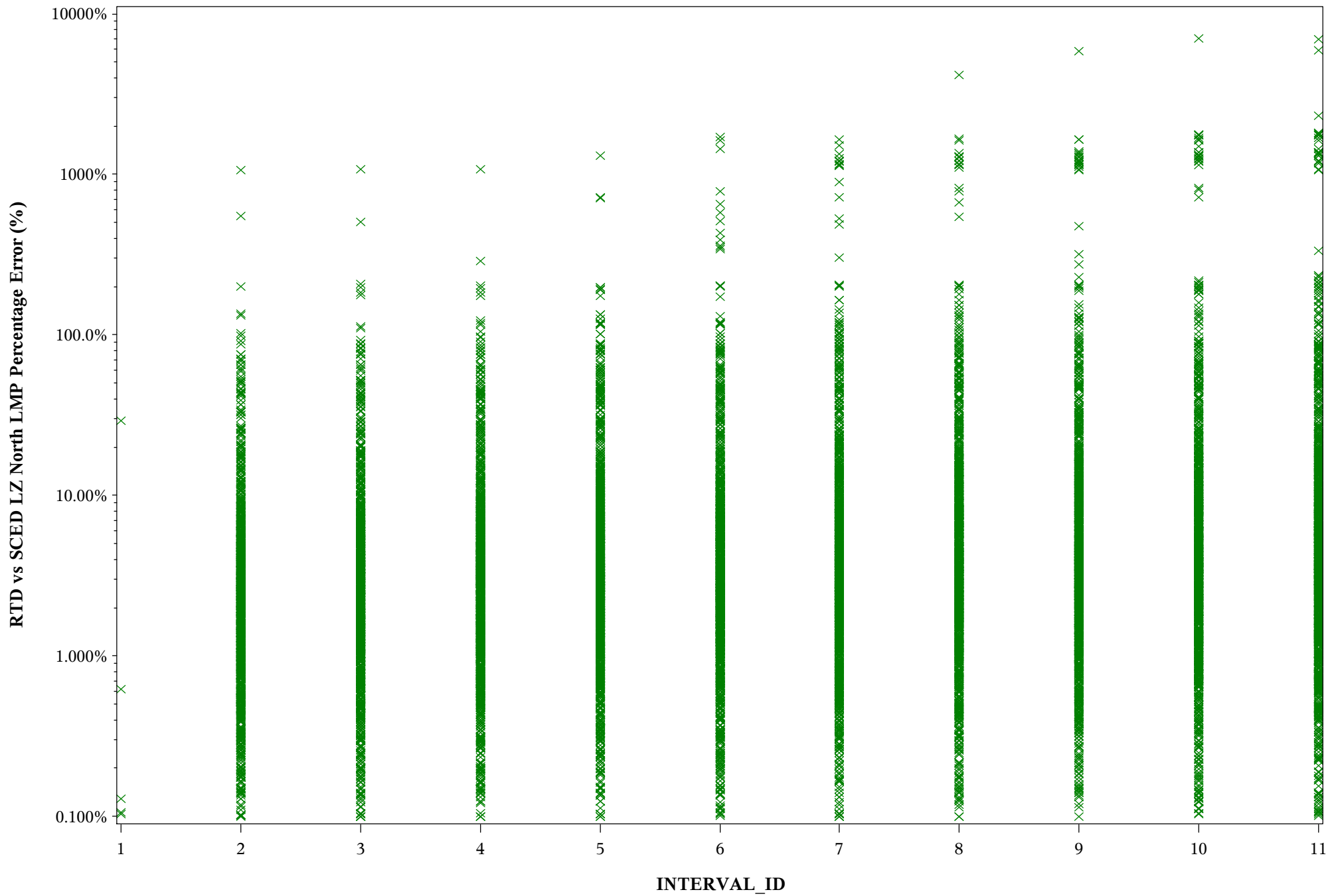
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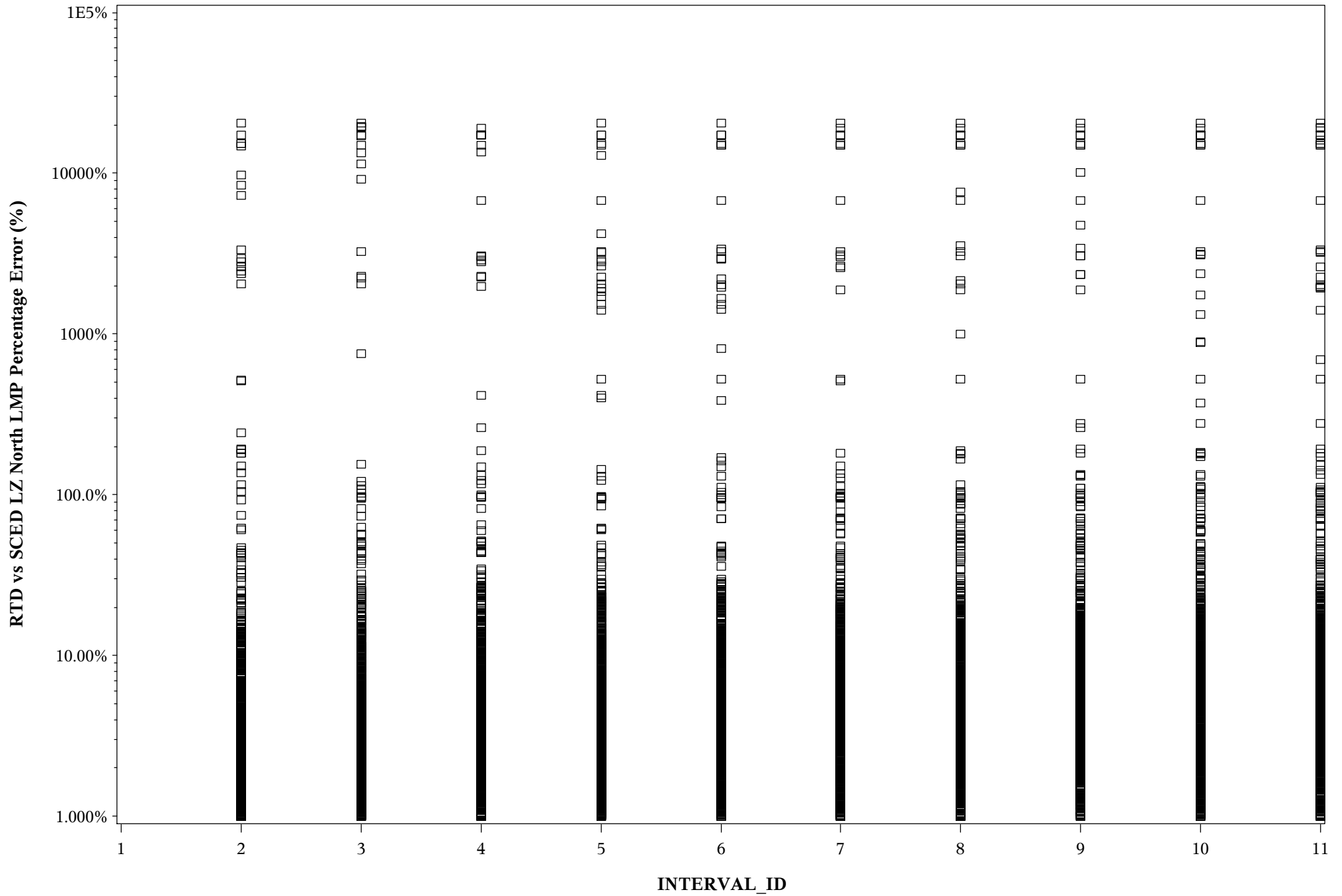
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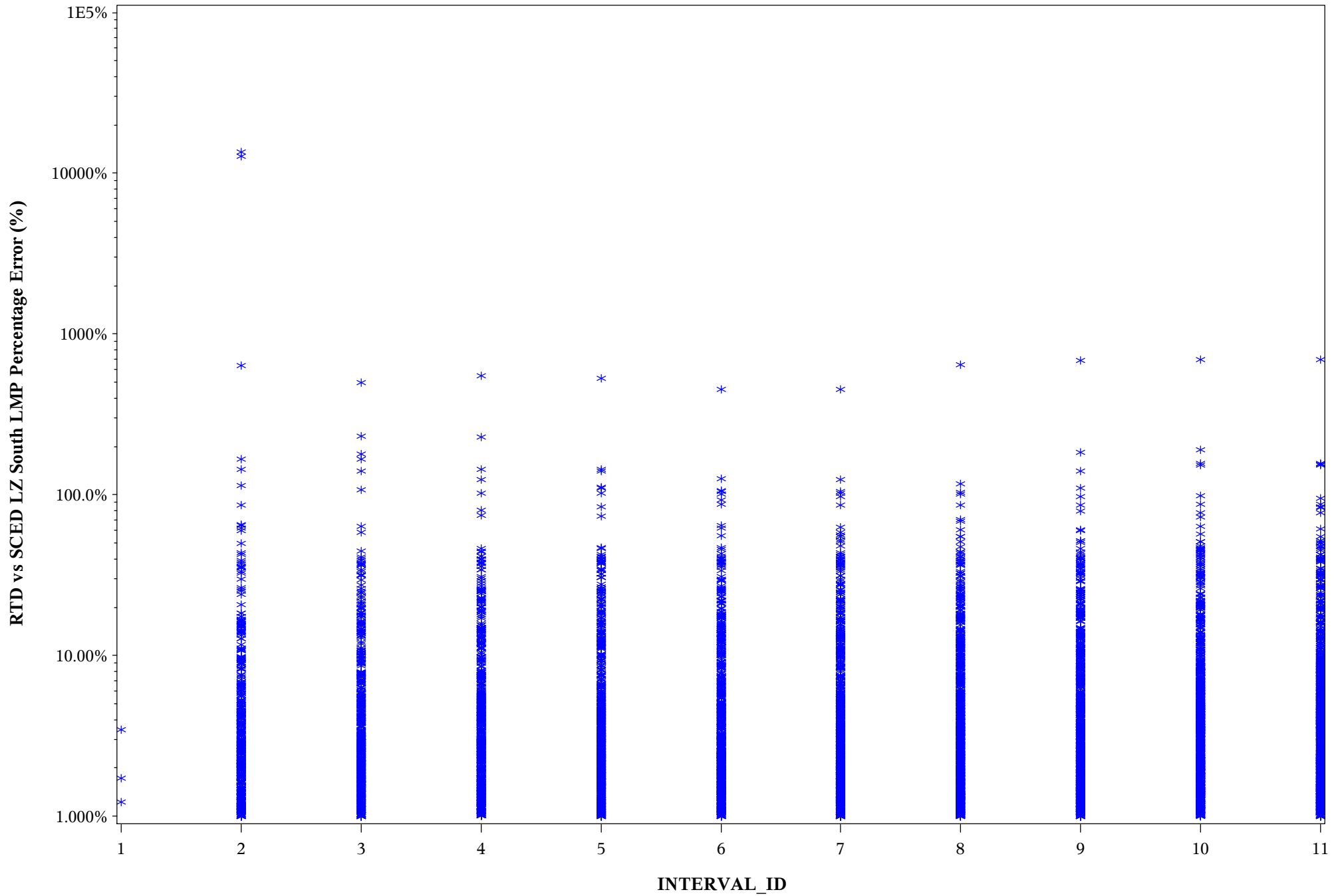
## RTD VS SCED LZ North Percentage Error in Logarithmic --- HE 17 to 20



# RTD VS SCED LZ North Percentage Error in Logarithmic --- HE 21 to 24

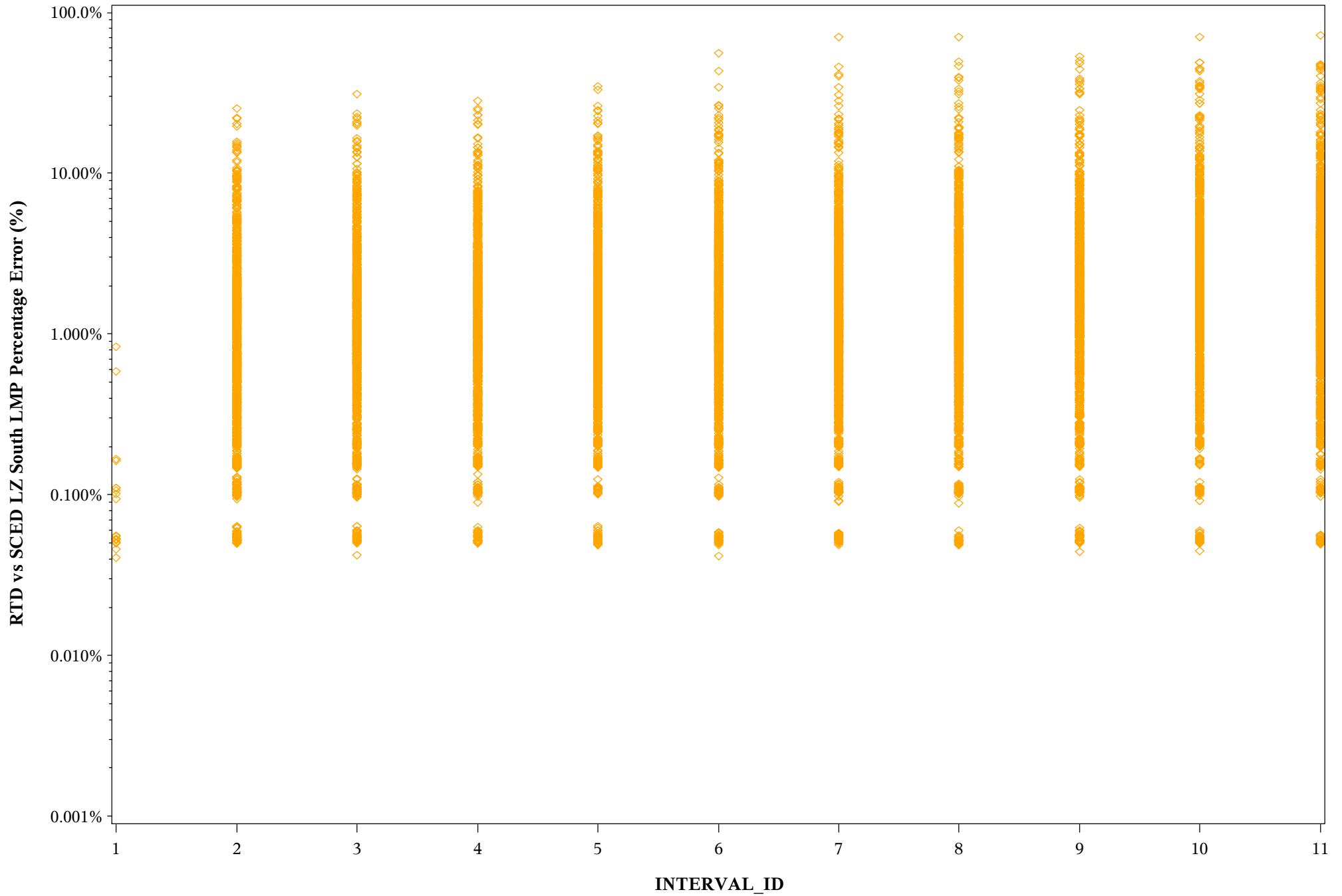


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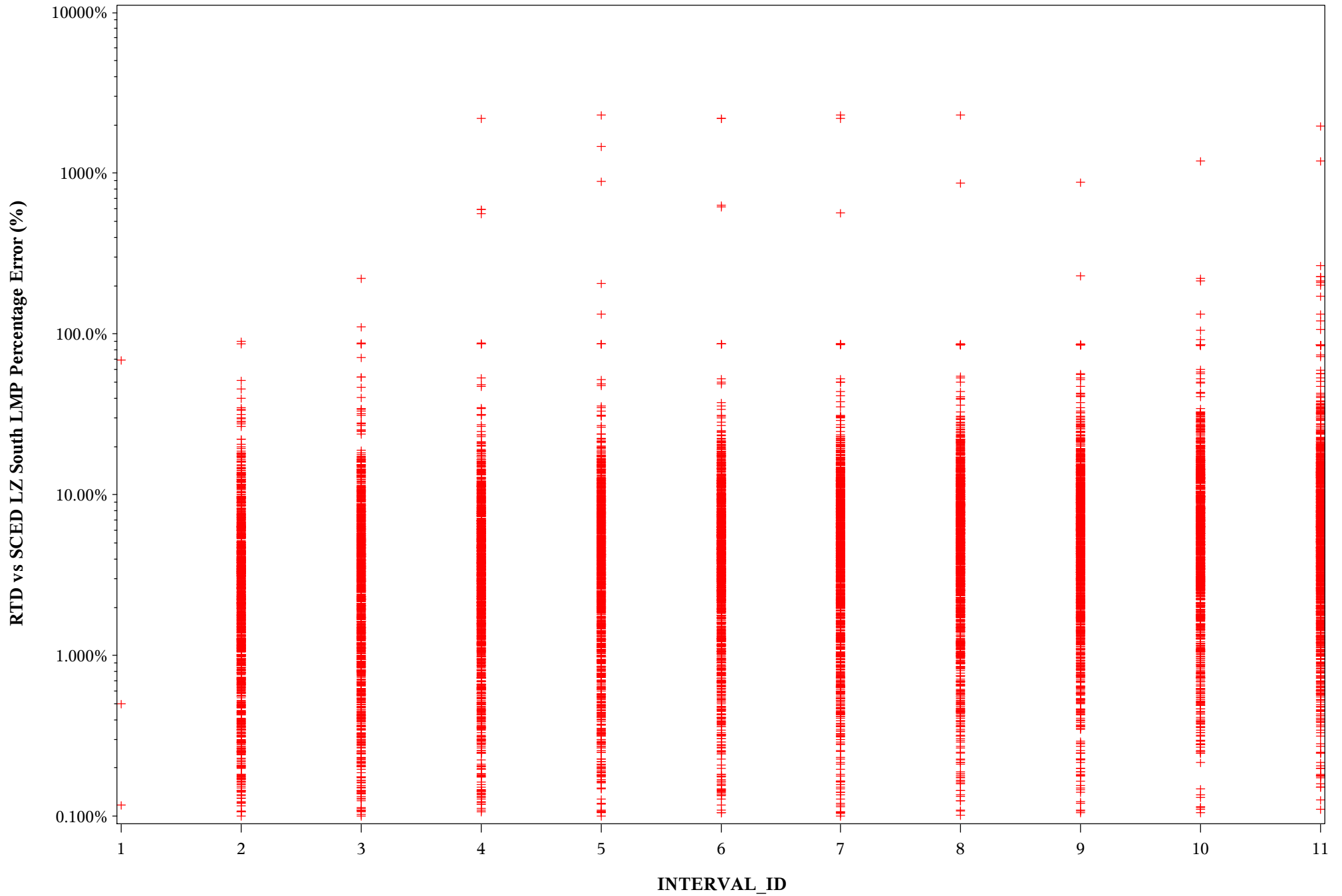


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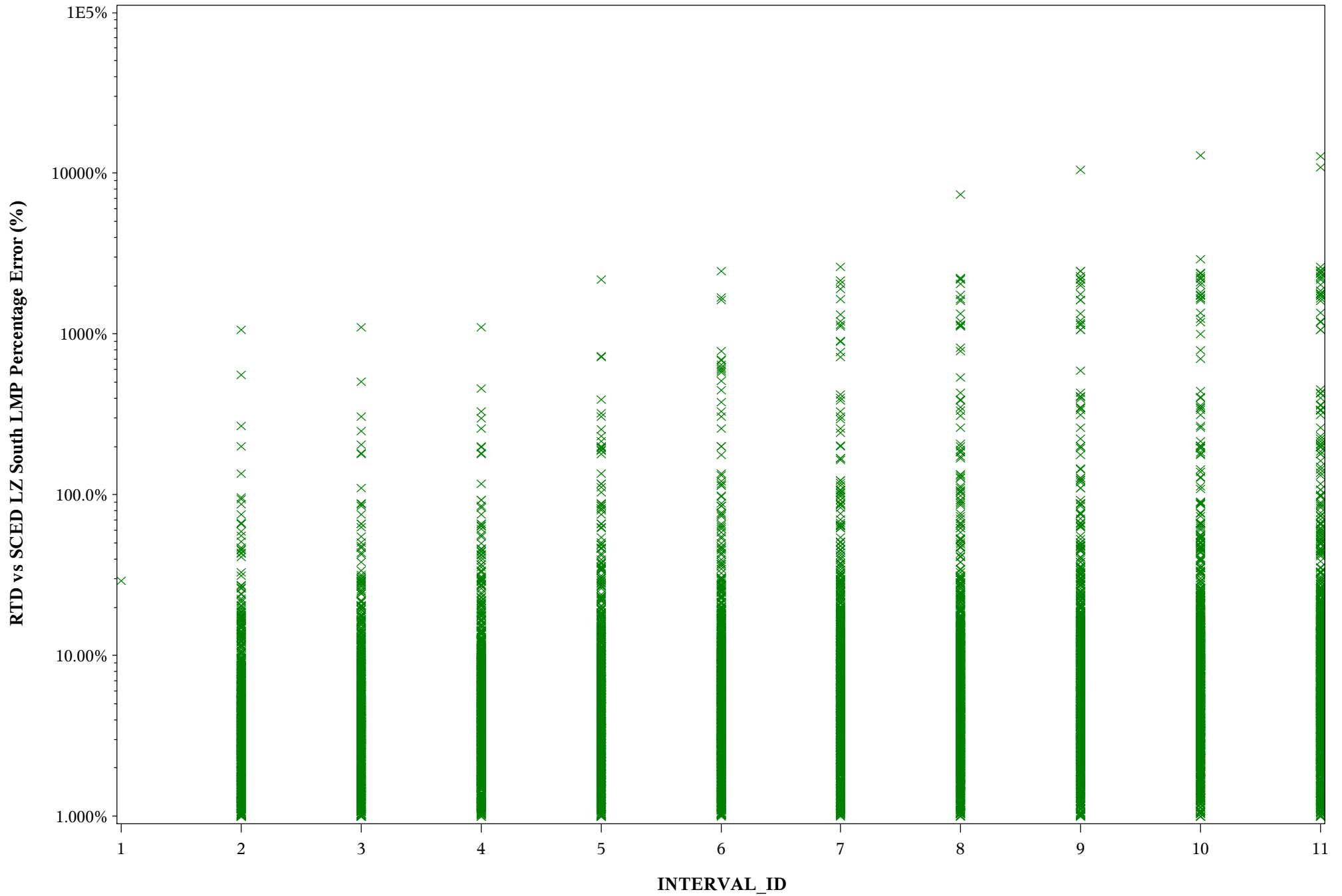




## RTD VS SCED LZ South Percentage Error in Logarithmic --- HE 13 to 16

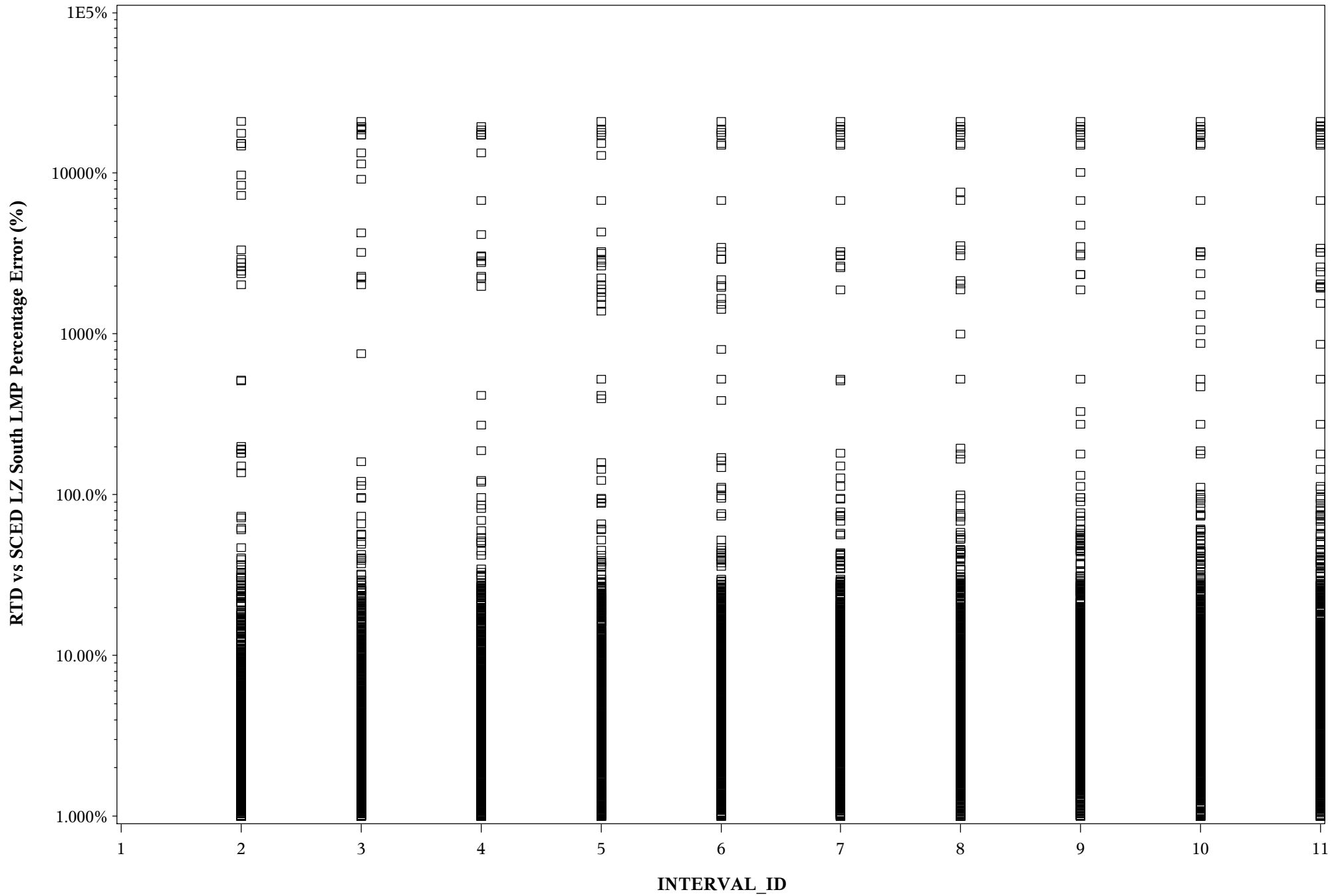


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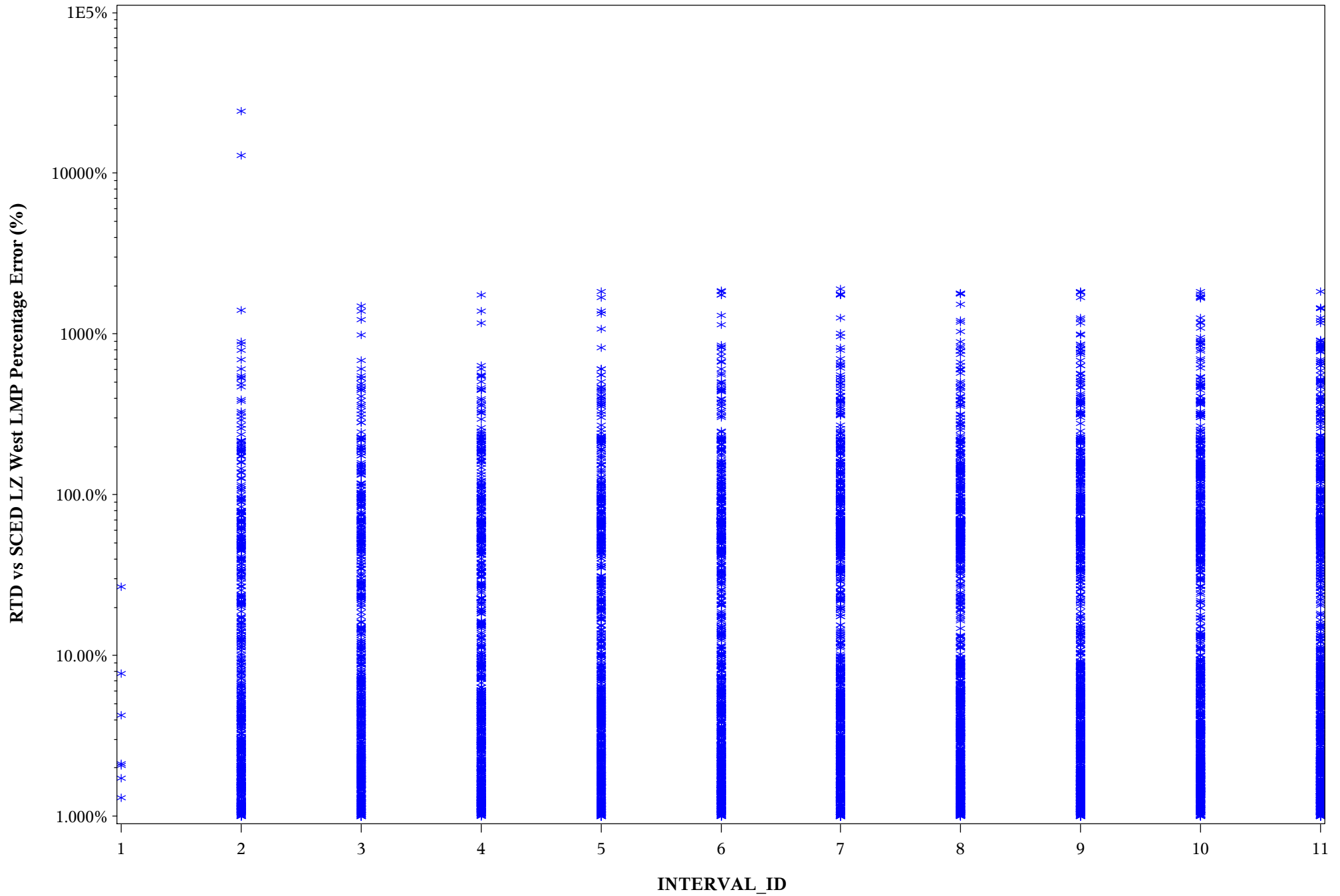


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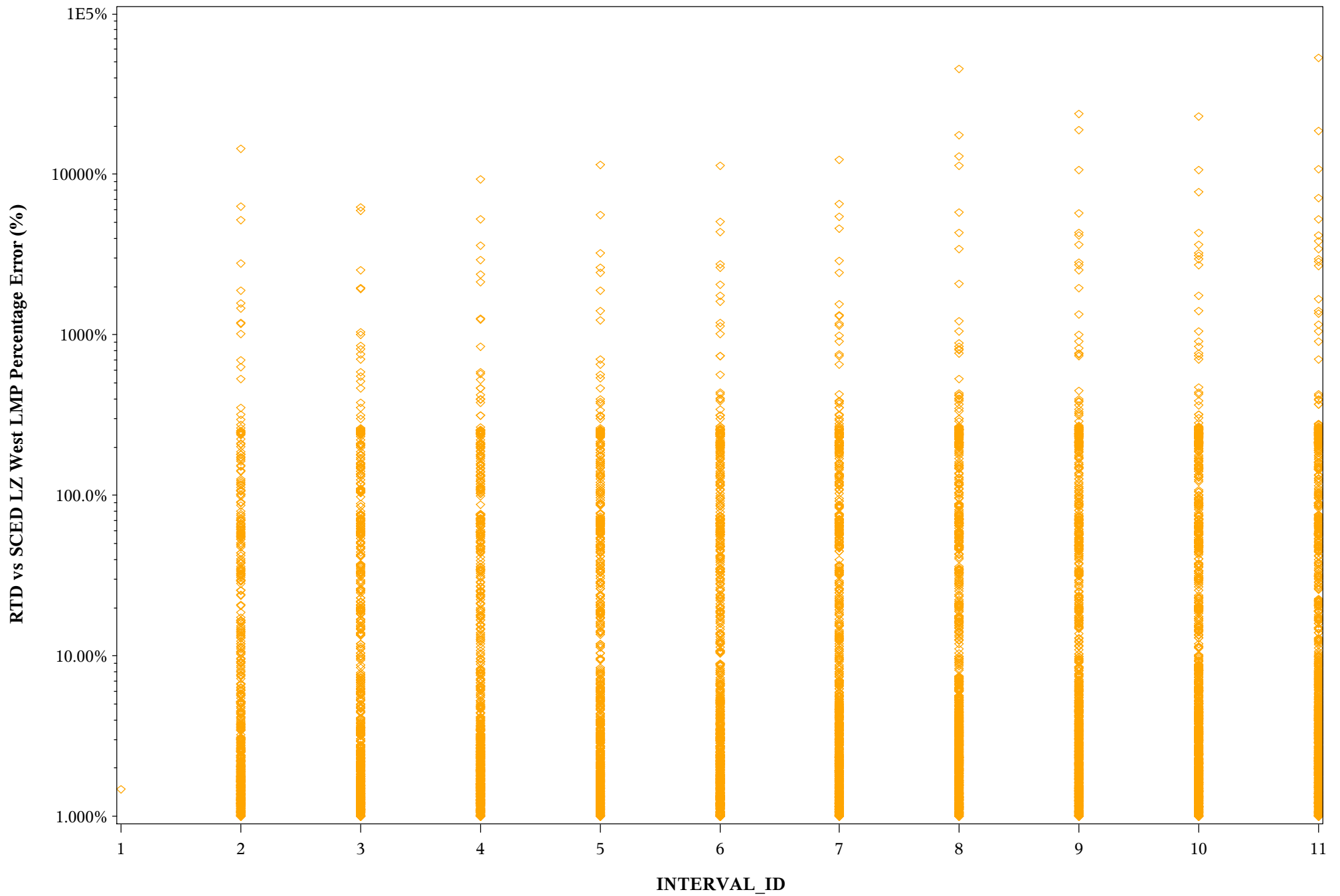
# RTD VS SCED LZ South Percentage Error in Logarithmic --- HE 21 to 24



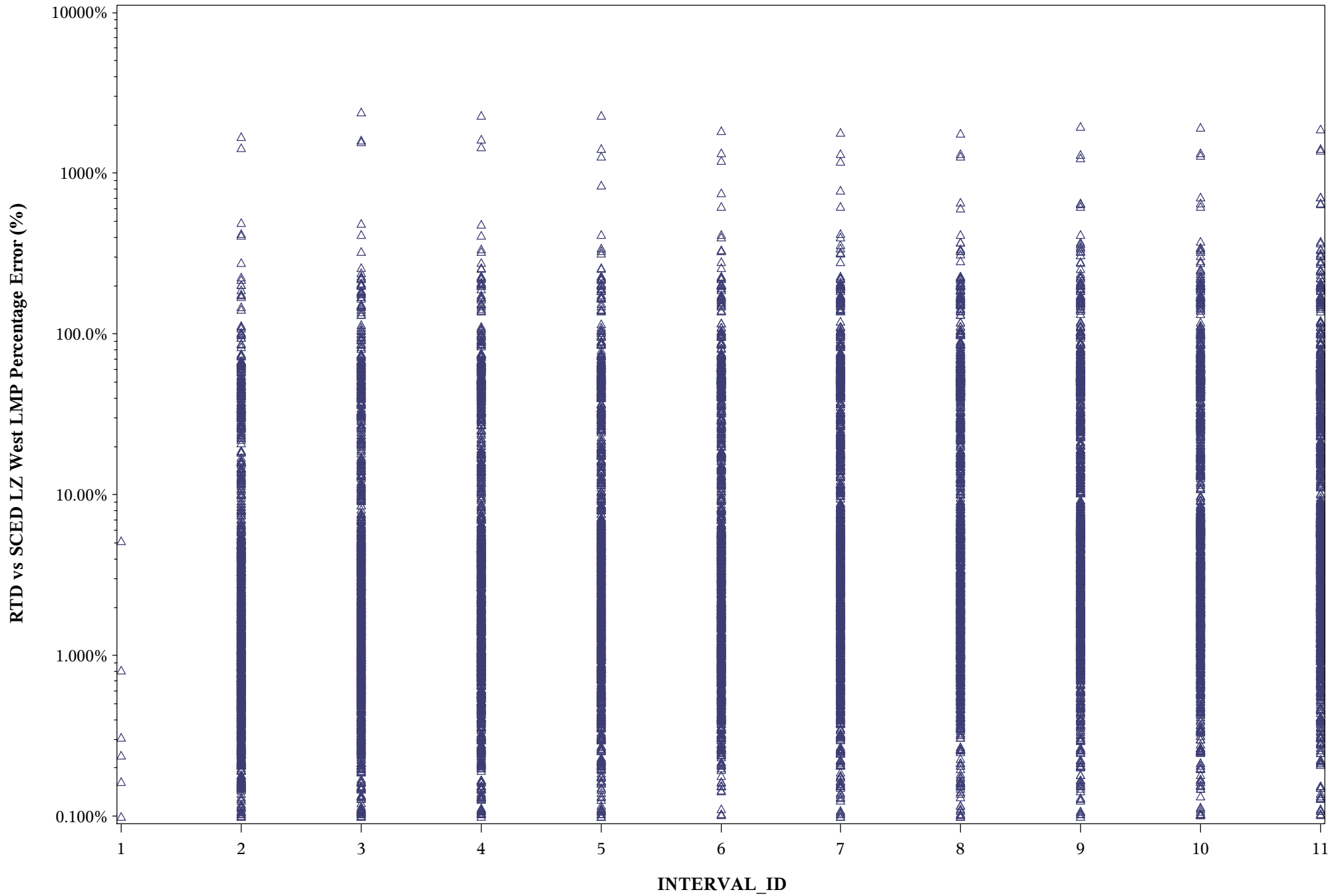
## RTD VS SCED LZ West Percentage Error in Logarithmic --- HE 01 to 04



## RTD VS SCED LZ West Percentage Error in Logarithmic --- HE 05 to 08

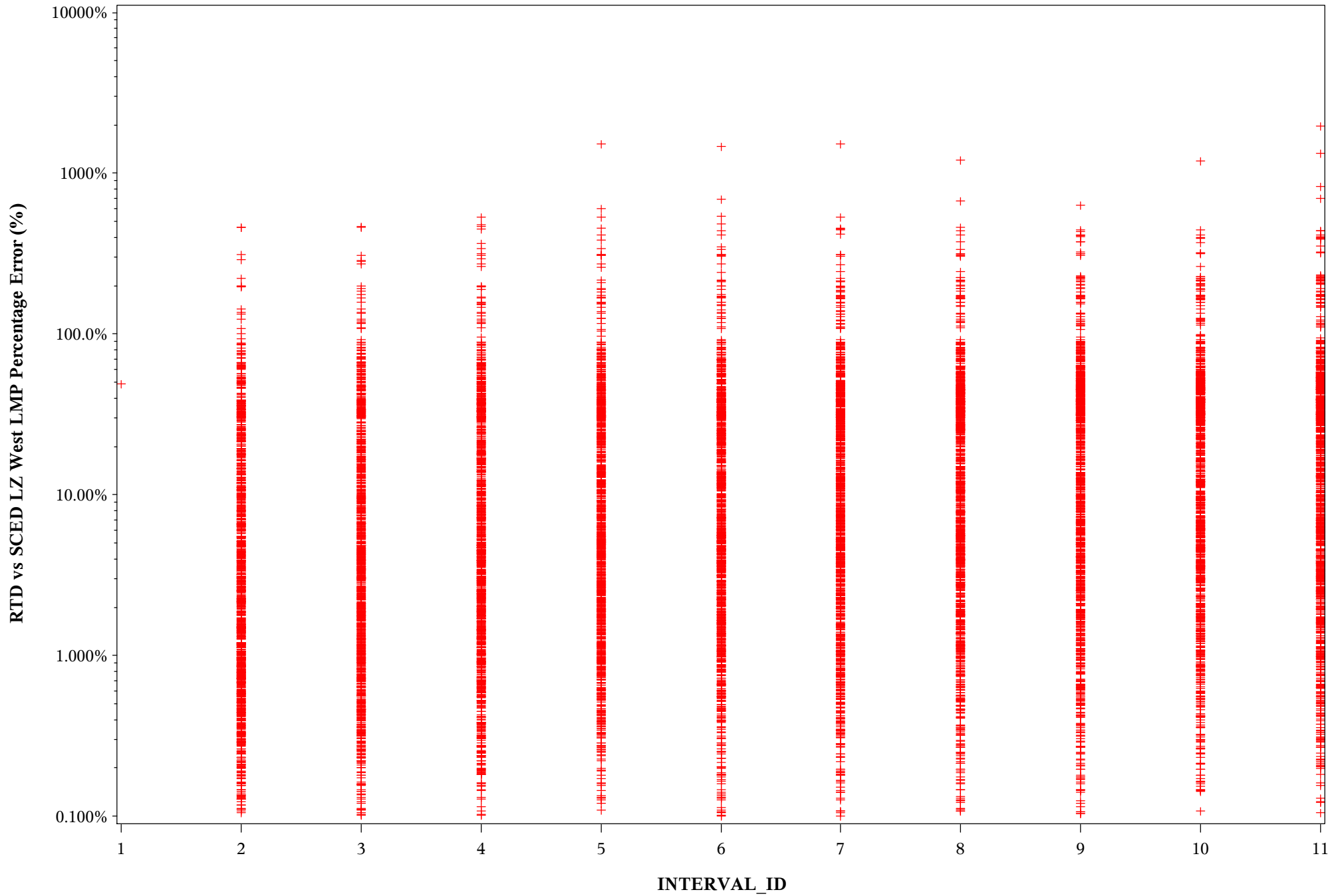


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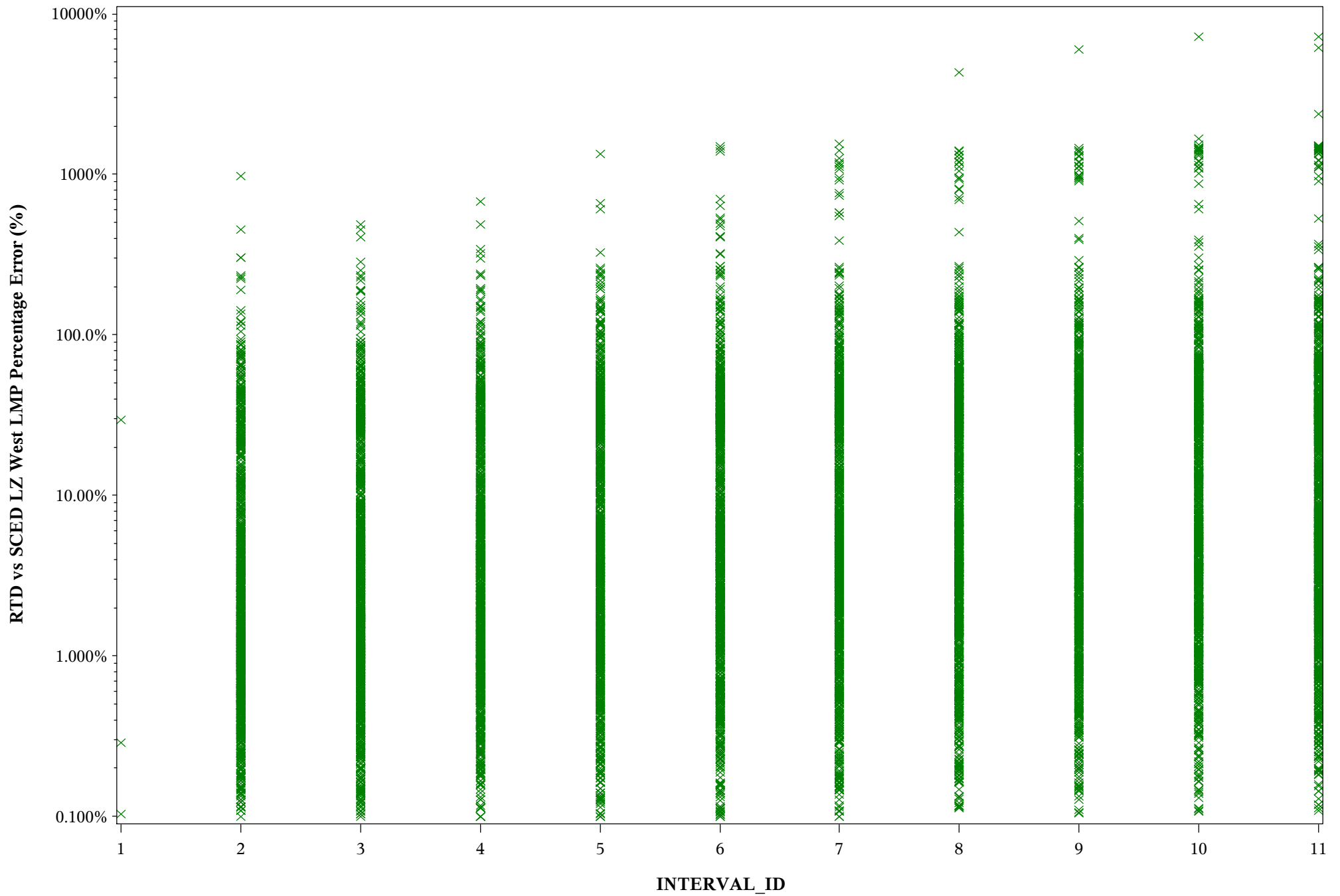




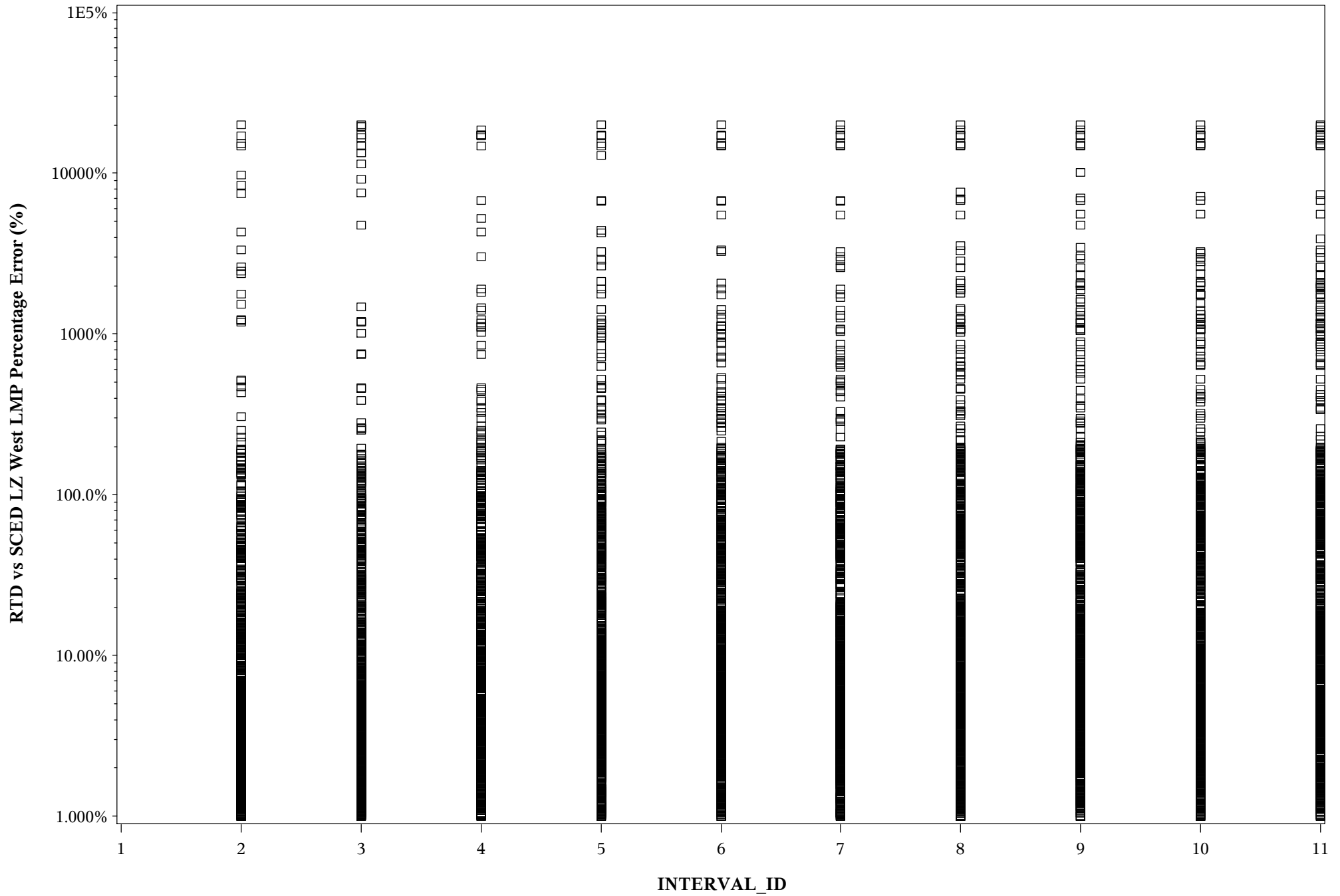
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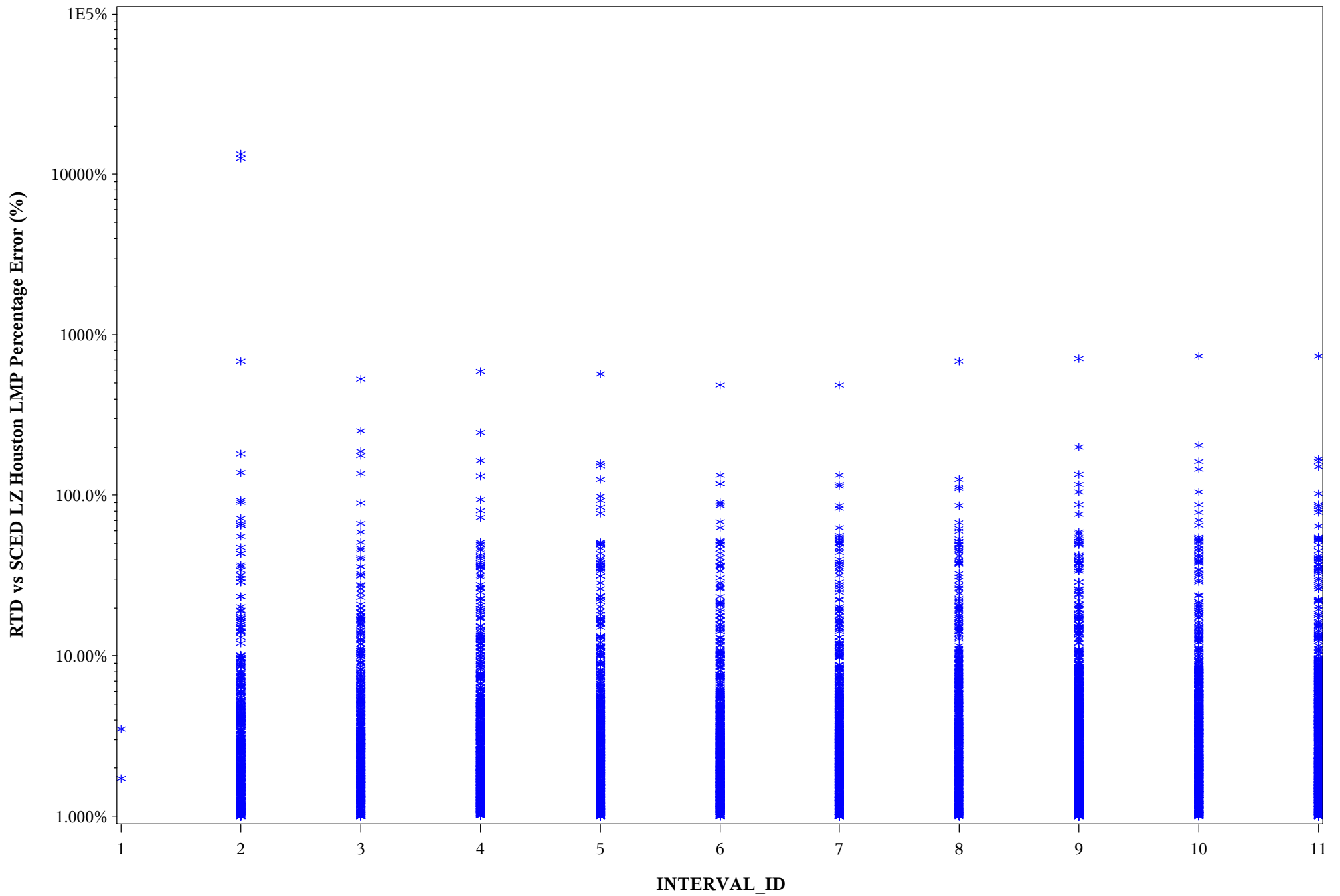
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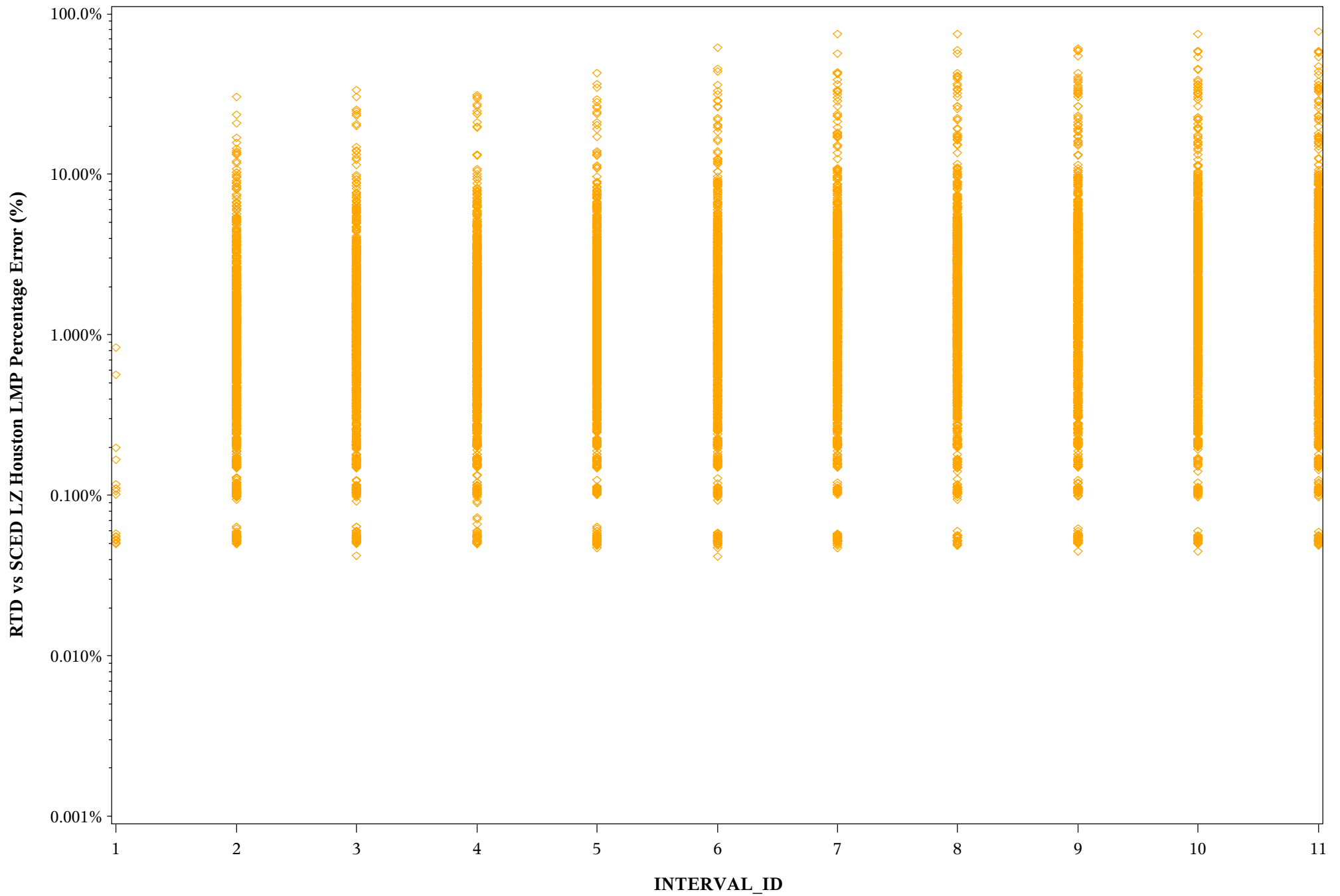
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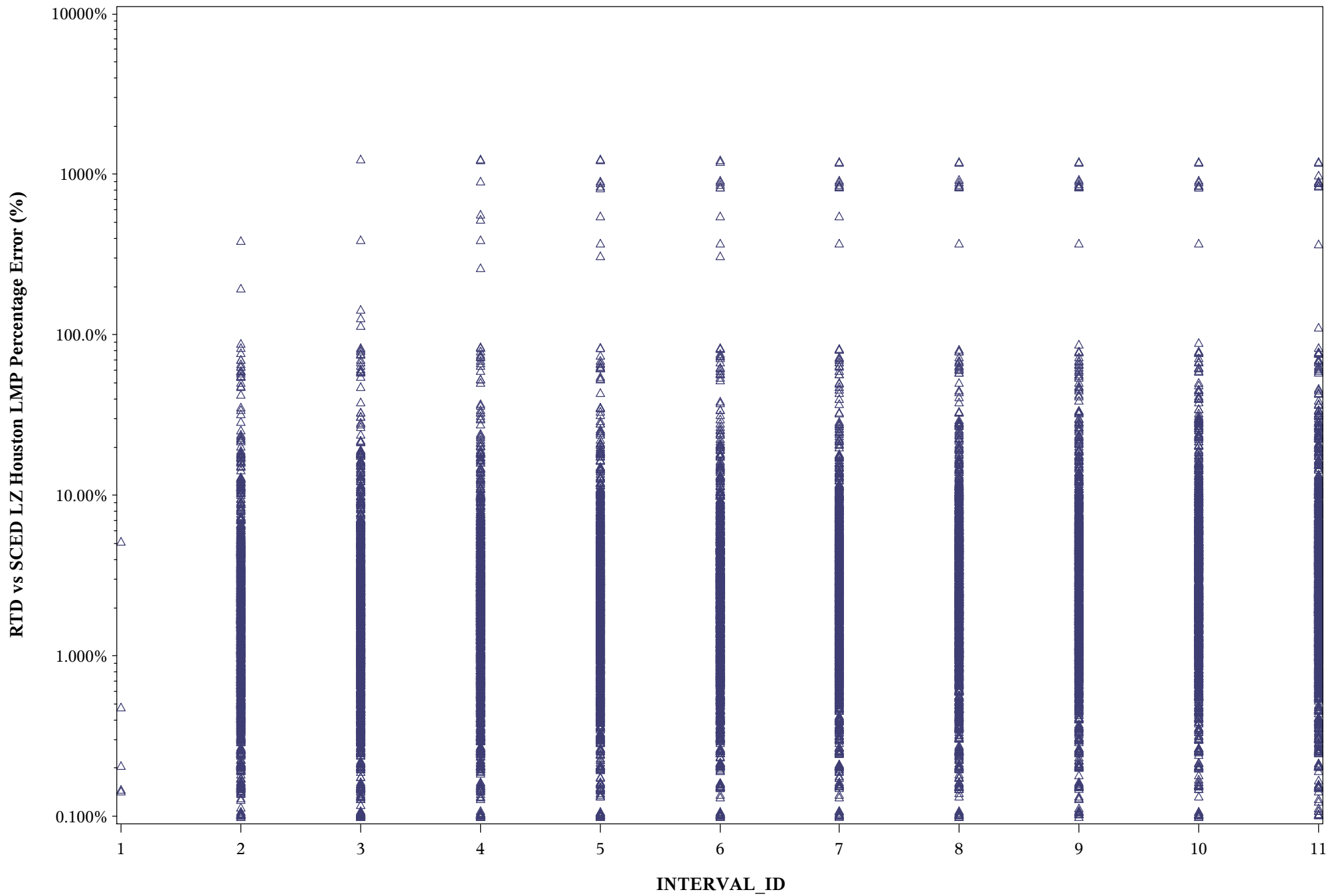
# RTD VS SCED LZ Houston Percentage Error in Logarithmic --- HE 01 to 04



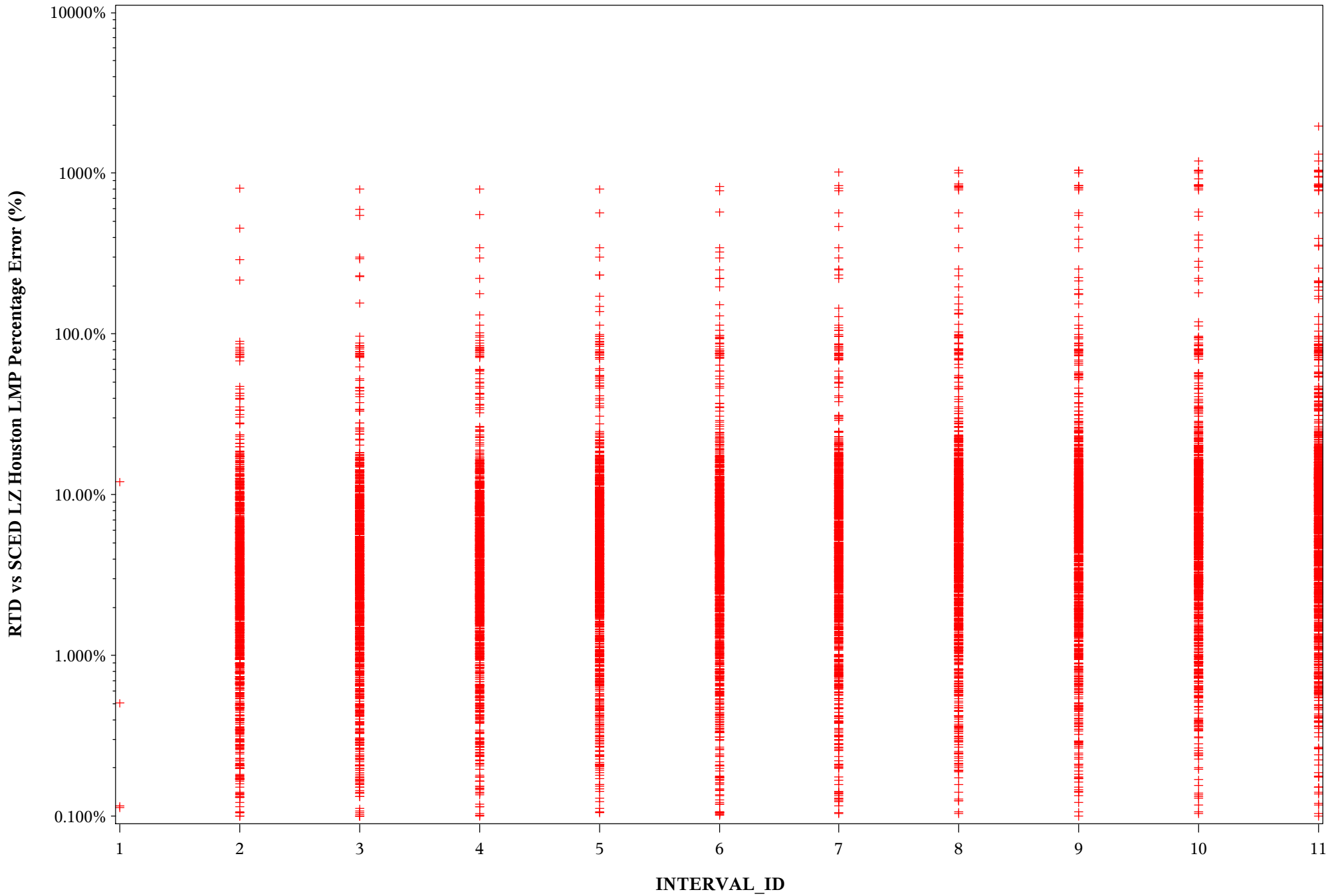
## RTD VS SCED LZ Houston Percentage Error in Logarithmic --- HE 05 to 08



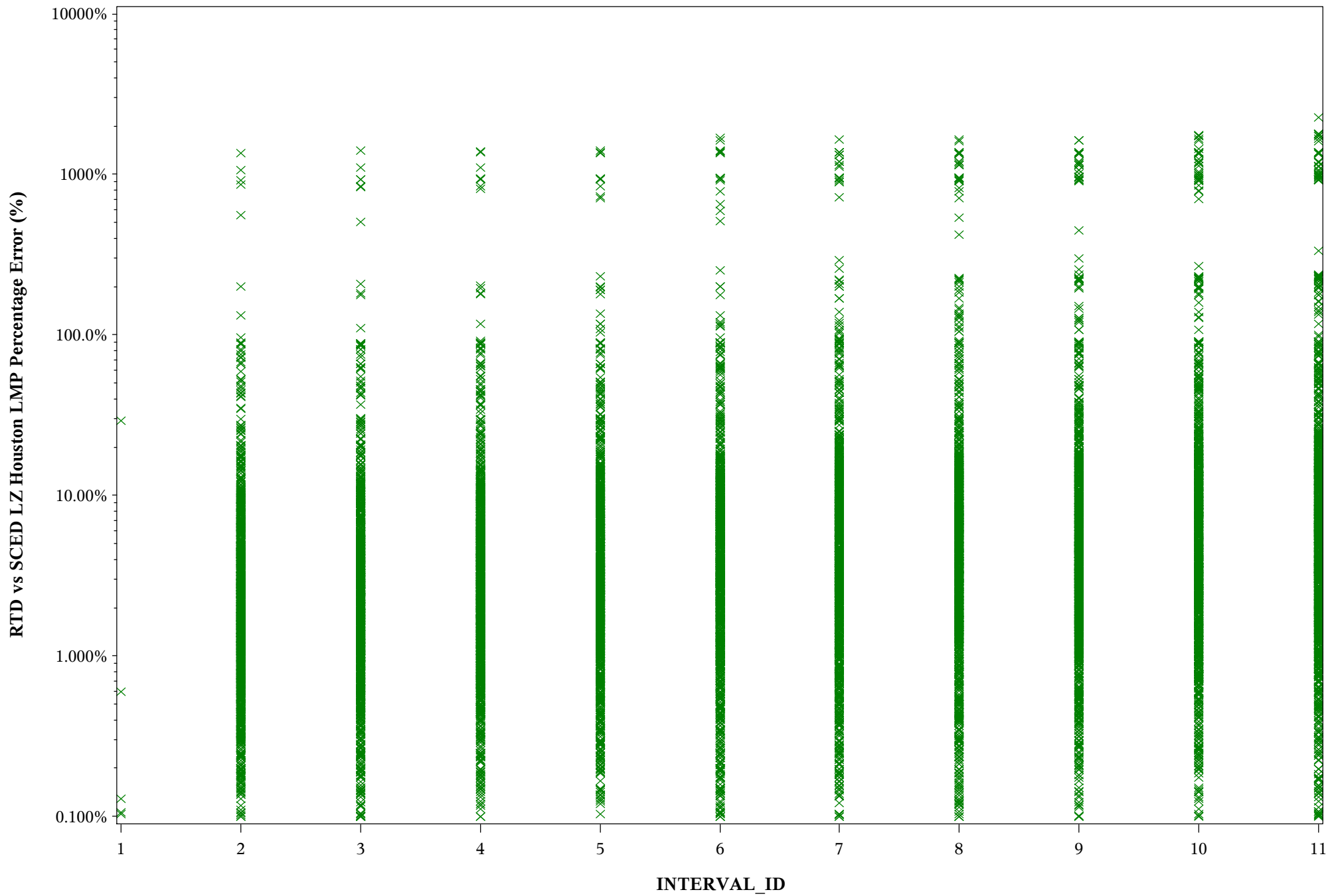
## RTD VS SCED LZ Houston Percentage Error in Logarithmic --- HE 09 to 12



### RTD VS SCED LZ Houston Percentage Error in Logarithmic --- HE 13 to 16



## RTD VS SCED LZ Houston Percentage Error in Logarithmic --- HE 17 to 20





## RTD VS SCED LZ Houston Percentage Error in Logarithmic --- HE 21 to 24

