

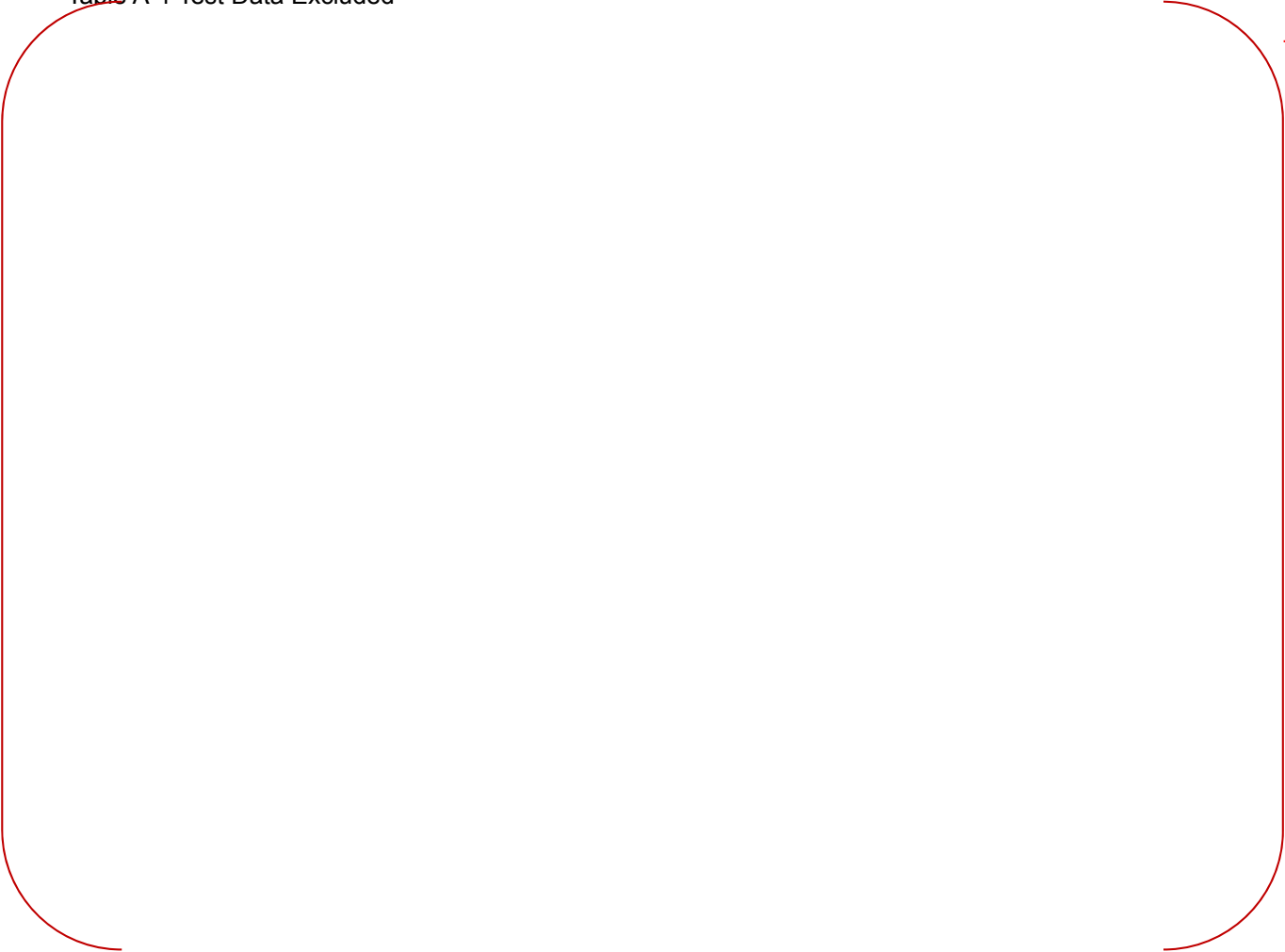
Appendix. KCE-1 Database for Application (Data for Quantification of Conservatism in KCE-1 Correlation with As-Calculated Tong Factor Application)

The raw test data, []^{TS} in total, collected from the PLUS7 fuel CHF tests are presented in Table A-1 of Topical Report, APR1400-F-C-TR-12002. In the analysis with Tong factor, the []^{TS} excluded and listed along with the reason for exclusion in Table A-1. Finally, the database for analysis, []^{TS} in total, is presented in Table A-2.

Acronyms presented in the subsequent tables:

| | | |
|------|---|--|
| BOHL | : | Beginning End of Heated Length (0 inch) |
| CH | : | Subchannel Number |
| CHFM | : | Measured CHF, MBtu/hr-ft ² |
| DH | : | Equivalent Heated Diameter of CHF Subchannel, inch |
| DHM | : | Equivalent Heated Diameter of Matrix Subchannel, inch |
| DNBR | : | Departure from Nucleate Boiling Ratio |
| EOHL | : | End of Heated Length (150 inch) |
| Fc | : | Tong Factor |
| GL | : | Local Mass Flux, Mlbm/hr-ft ² |
| hfg | : | Latent Heat of Vaporization, Btu/lbm |
| HL | : | Heated Length to CHF(minimum DNBR) Elevation from BOHL, inch |
| M/P | : | Ratio of Measured CHF to Predicted CHF(1/DNBR) |
| PR | : | System Pressure, psia |
| RUN | : | Run Number |
| TS | : | Test Section Number |
| XL | : | Local Quality |

Table A-1 Test Data Excluded



TS

Table A-2 Database with As-Calculated Fc (1/5)

TS

Table A-2 Database with As-Calculated Fc (2/5)



TS

Table A-2 Database with As-Calculated Fc (3/5)



TS

Table A-2 Database with As-Calculated Fc (4/5)



TS

Table A-2 Database with As-Calculated Fc (5/5)

TS