

Table 1

S-RELAP5 ASSESSMENT MATRIX		
Facility	Tests	Purpose
THTF Heat Transfer	35	Heat Transfer
THTF Level Swell	3	Void Distribution
GE Level Swell	1	Void Distribution
FRIGG-2	27	Void Distribution
Bennet Tube	2	Heat Transfer
FLECHT & FLECHT-SEASET	9	Heat Transfer, Nodalization, Axial Power Distribution, Scalability, Entrainment
PDF/SMART	4	Spacer Effects
Marviken	9	Break Flow
W/EPRI 1/3 Scale	9	Cold Leg Condensation, Interfacial Heat Transfer
Mini-Loop CCFL	3	Upper Tie Plate CCFL
Multi-dimensional Flow	3	Core Flow Distribution
UPTF	14	ECCS Bypass, Steam Binding, CCFL, Scalability, Nodalization
CCF	4	Steam Binding, Nodalization, Scalability
SCTF	6	Nodalization
ACHILLES	1	Accumulator Nitrogen Disch.
LOFT	4	Overall Code Performance, Nodalization, Scalability
Semiscale	2	Blowdown Heat Transfer, Nodalization, SCALABILITY, Compensating Errors

FLECHT-SEASET Test 31302

Steam Temperature Profile at 17 s (time of PCT)

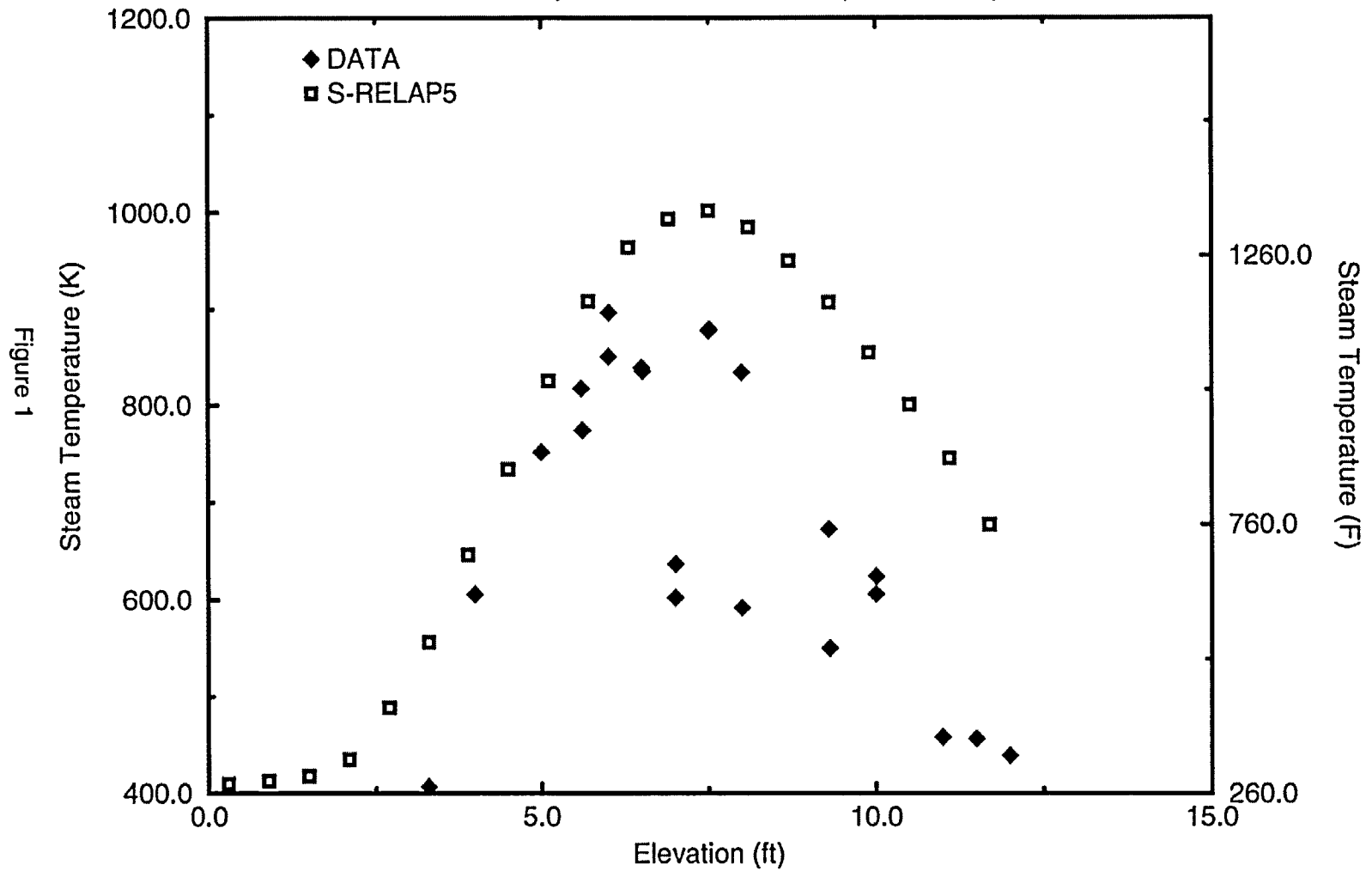


Figure 2

LOFT LP-LB-1 S-RELAP5 ANALYSIS/ PLOT FILE NAME 0lb-1_pcl_00.ept JOB ID make_pcl_plot_bas.o3250, DATE Thu Jul 26 16:35:23 PDT 2001

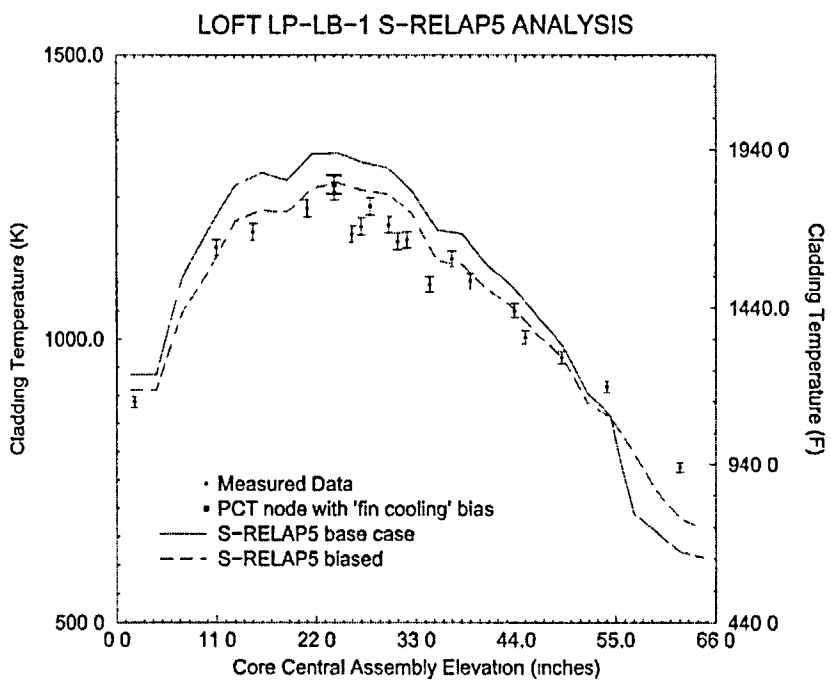


Figure 4.194 LOFT LP-LB-1 PCT Profile

LOFT LP-LB-1 S-RELAP5 ANALYSIS/PLOT FILE NAME 06b-1_pcl_00.eps JOB ID make_pcl_plot_bias v3250 DATE Thu Jul 26 16:35:25 PDT 2001

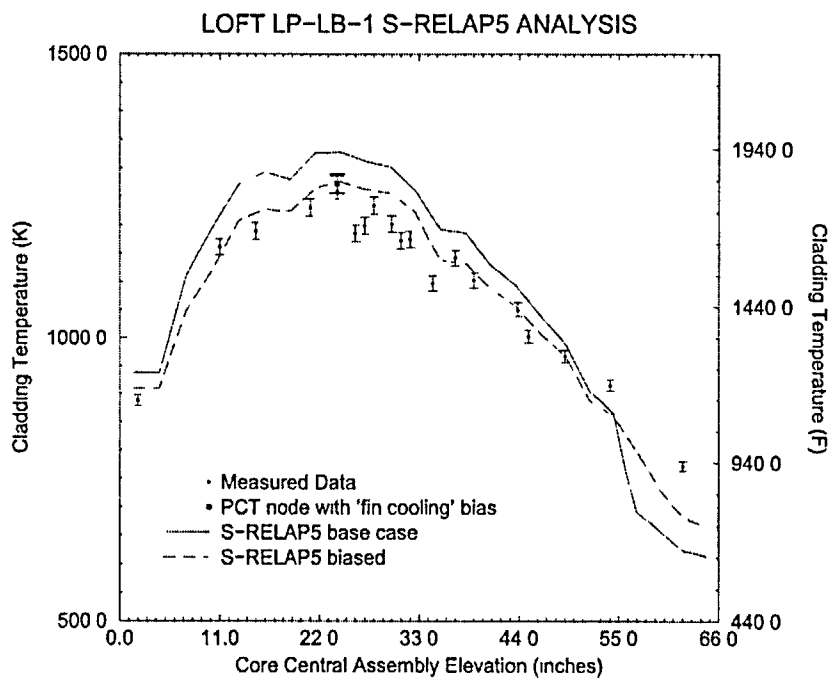


Figure 4.194 LOFT LP-LB-1 PCT Profile

Figure 3

PCT Independent of Location – PWR

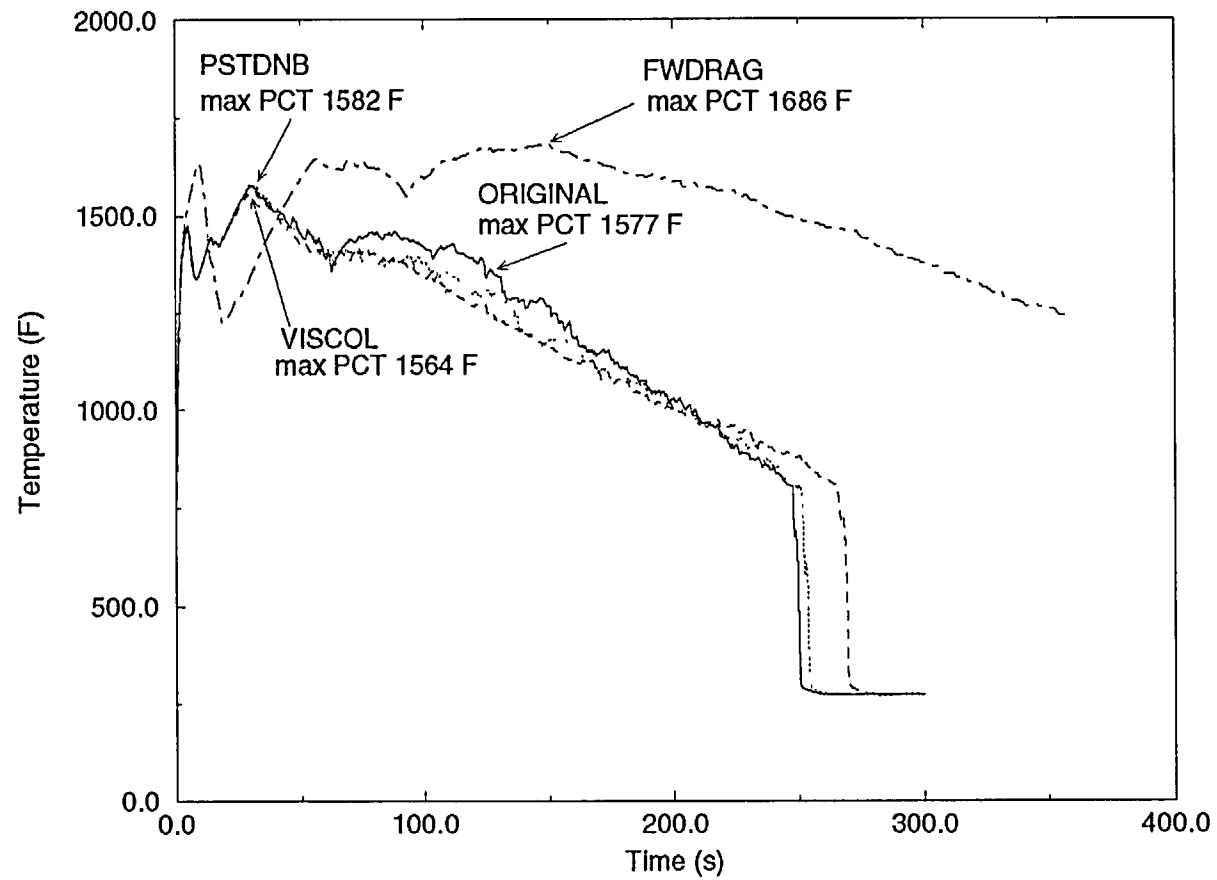


Figure 4

PCT Independent of Location – PWR

Modified FWDRAG

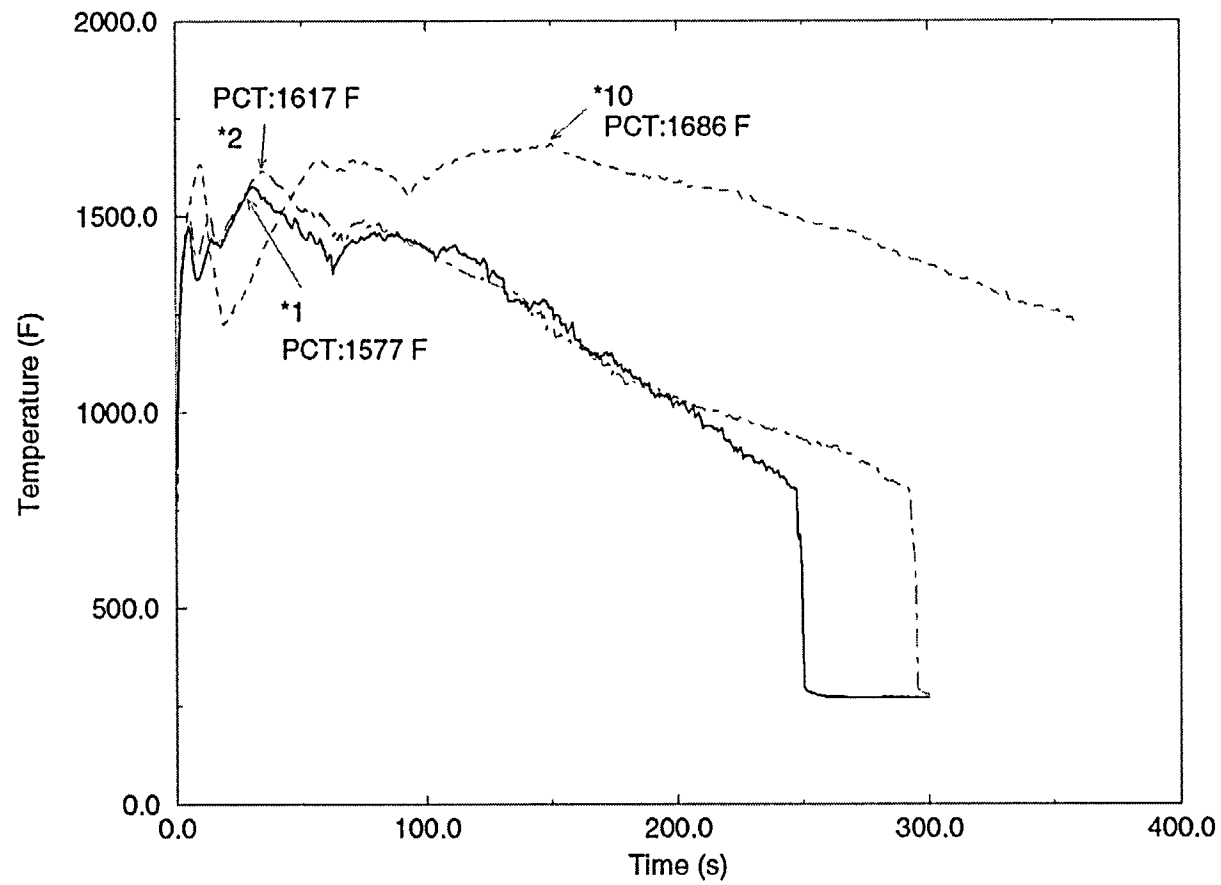


Figure 5

Peak Clad Temperature – FS 31504

Modifications to FWDRAG

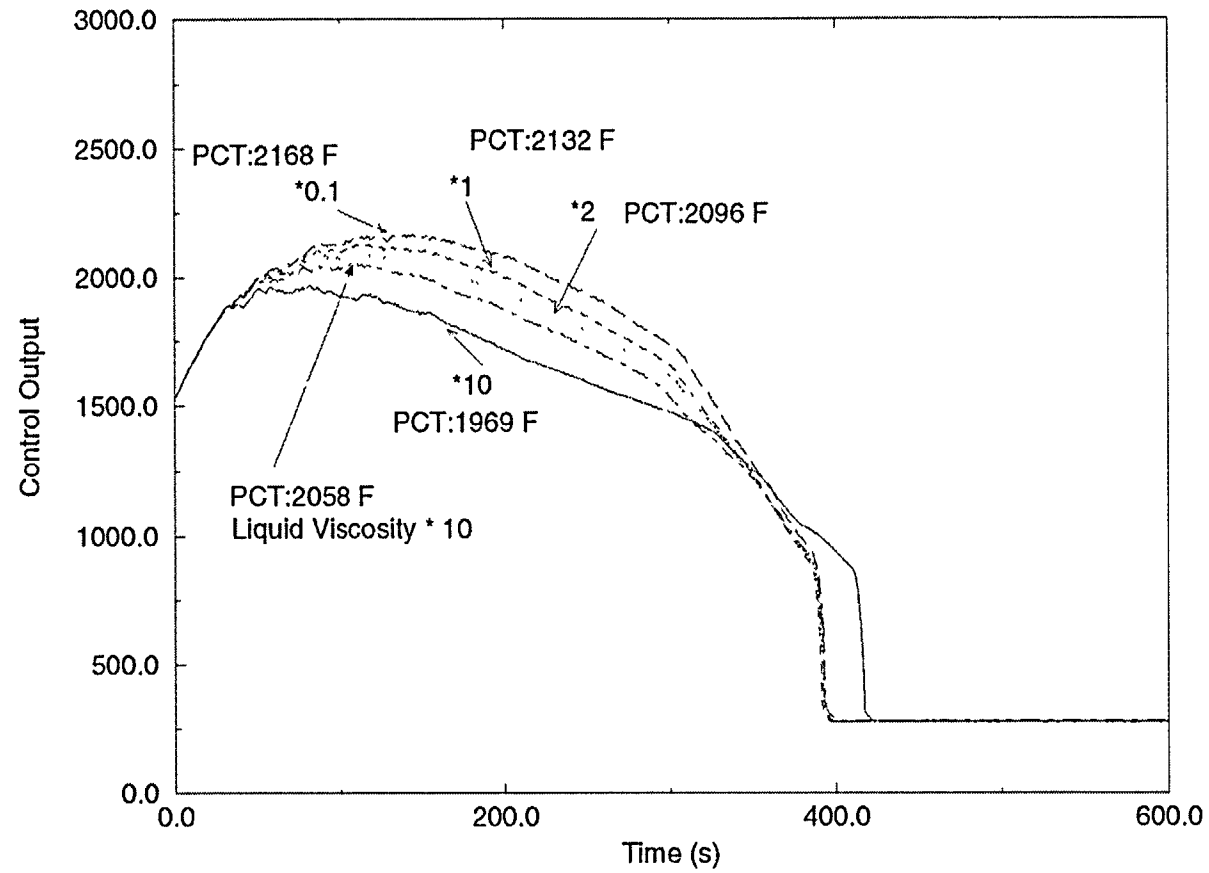


Figure 6