

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

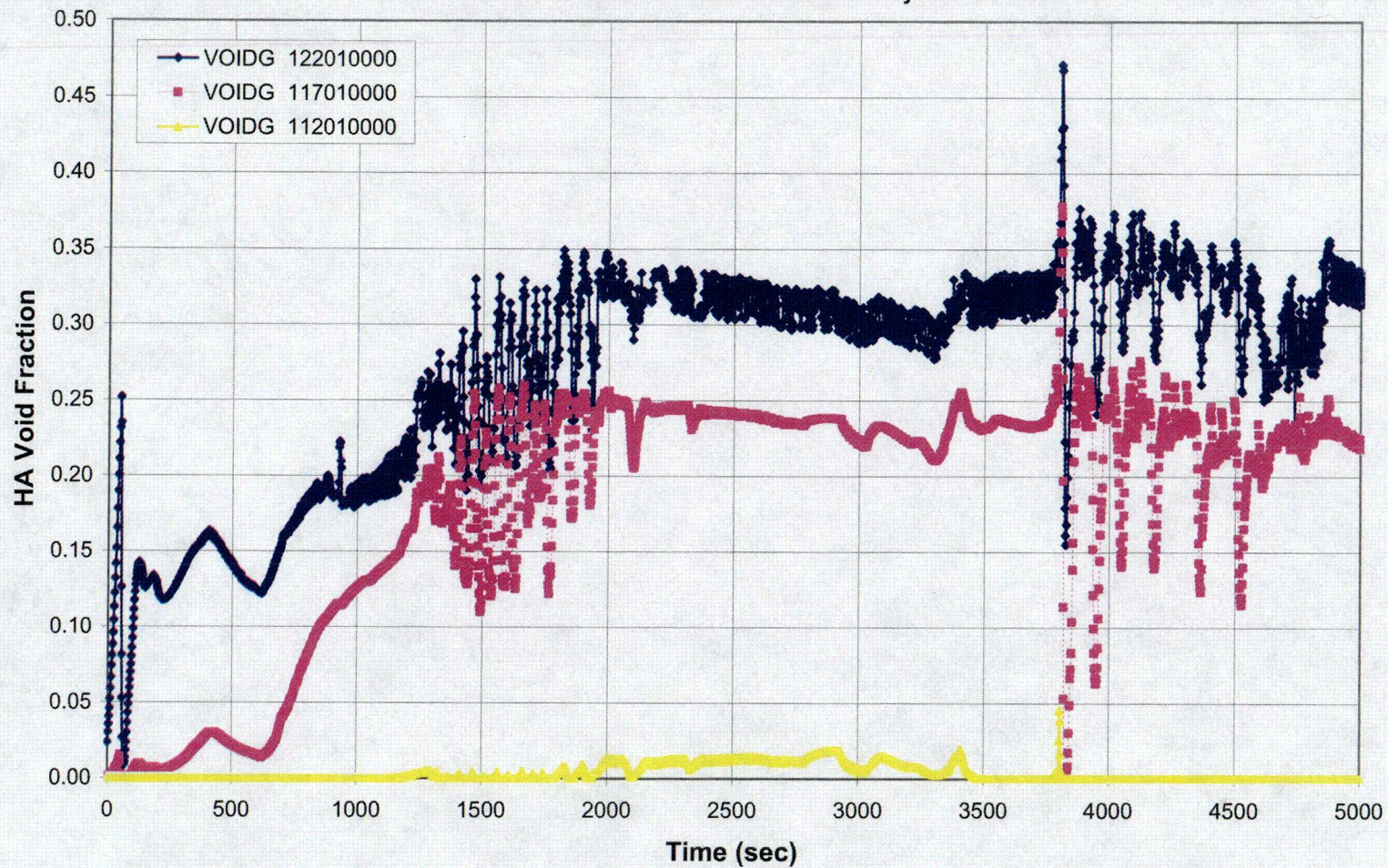


Figure F-2 Hot Assembly Region Void Fractions – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

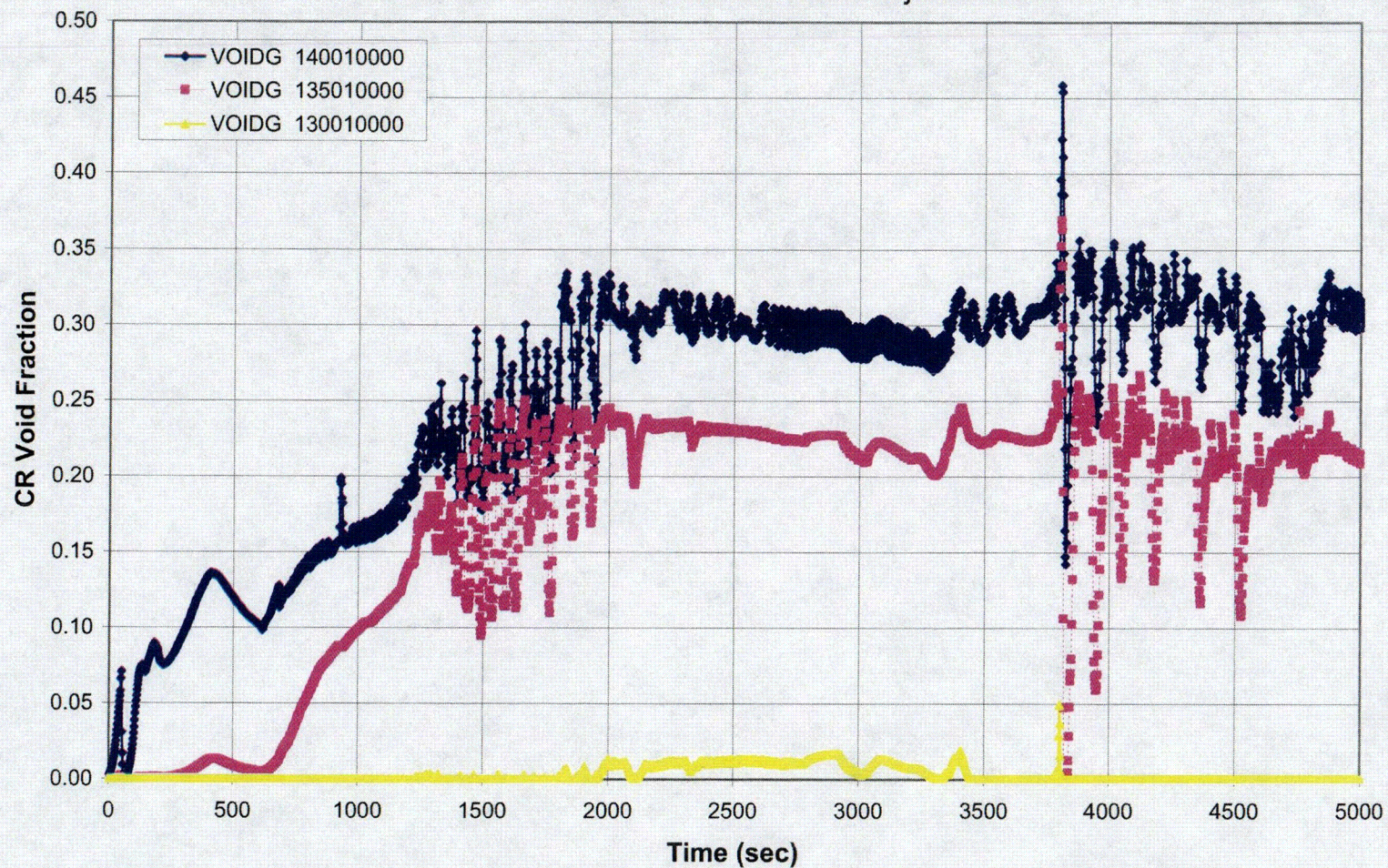


Figure F-3 Central Core Region Void Fractions – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

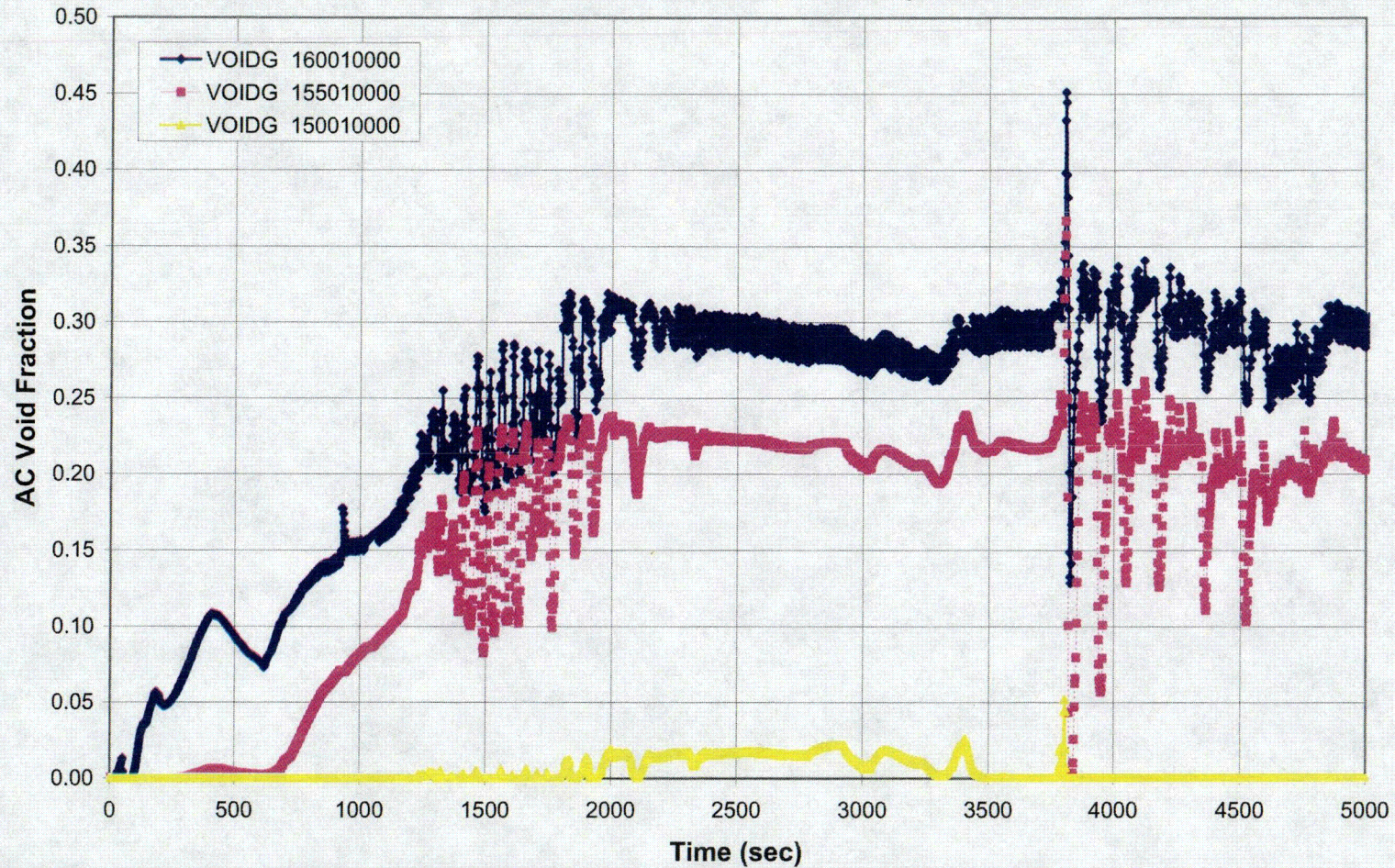


Figure F-4 Average Core Region Void Fractions – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

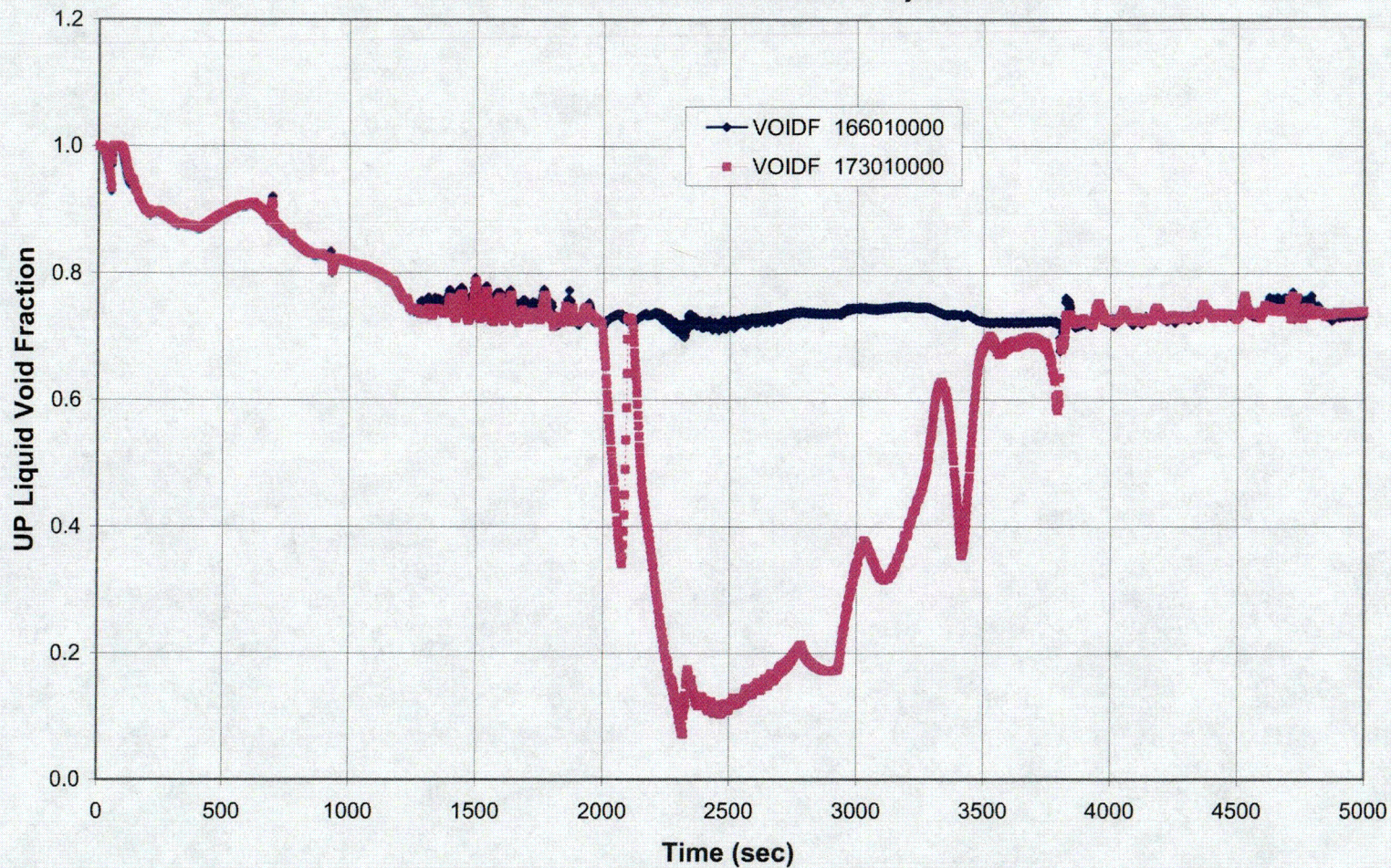


Figure F-5 Upper Plenum Liquid Fraction – 1.5-in Break (Severed ECCS Line)

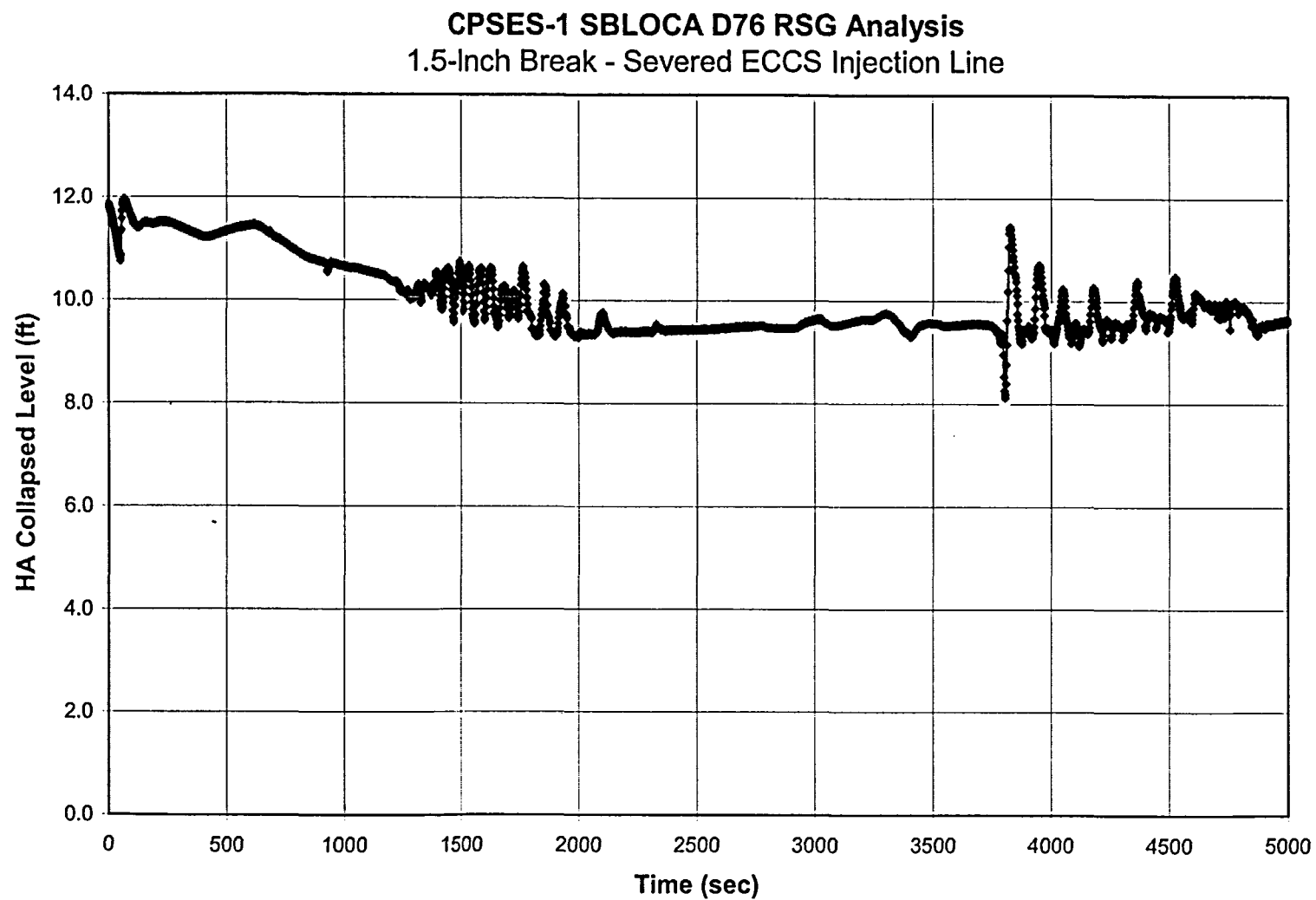


Figure F-6 Hot Assembly Collapsed Water Level – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

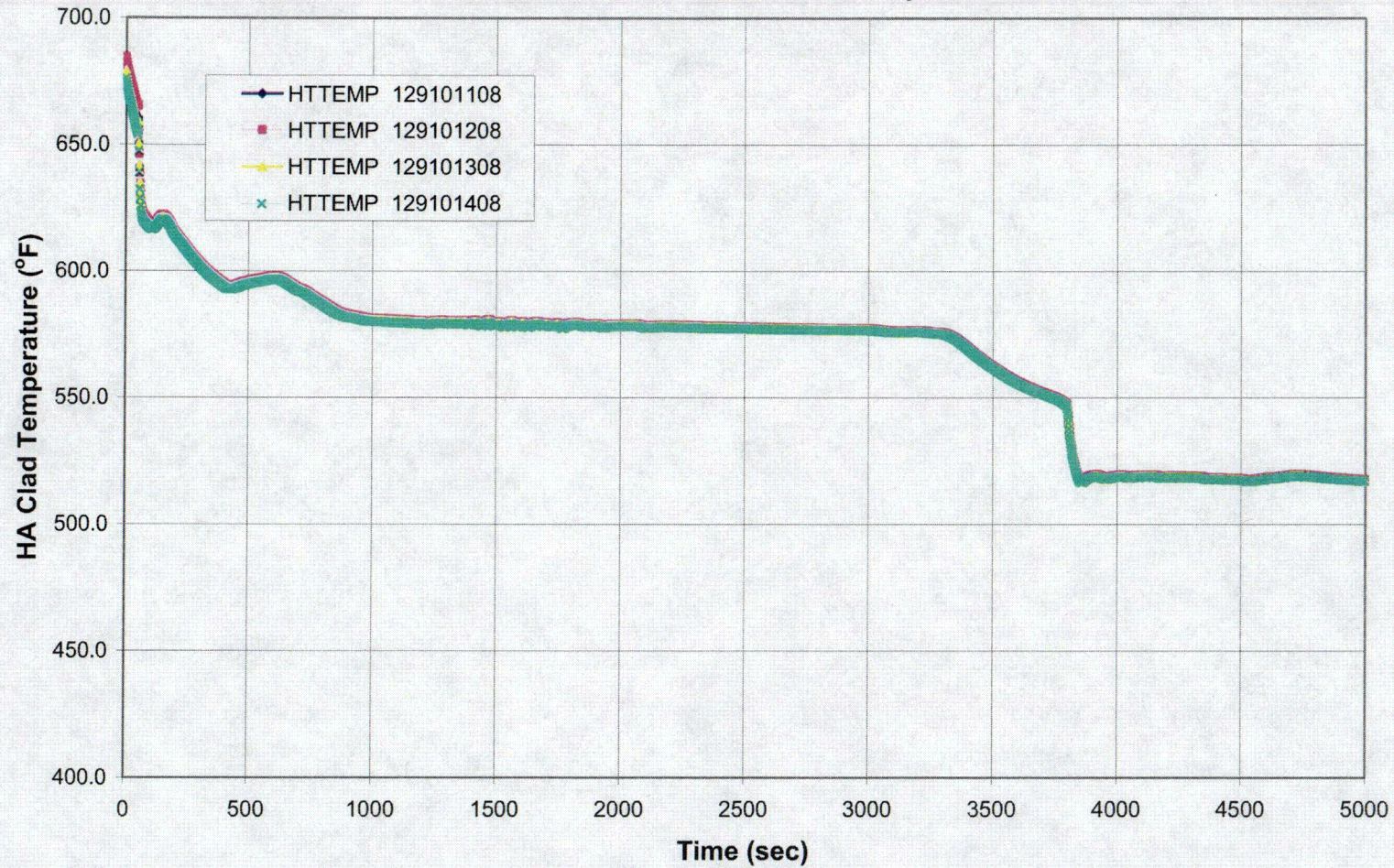


Figure F-7 Hot Assembly Clad Temperatures – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

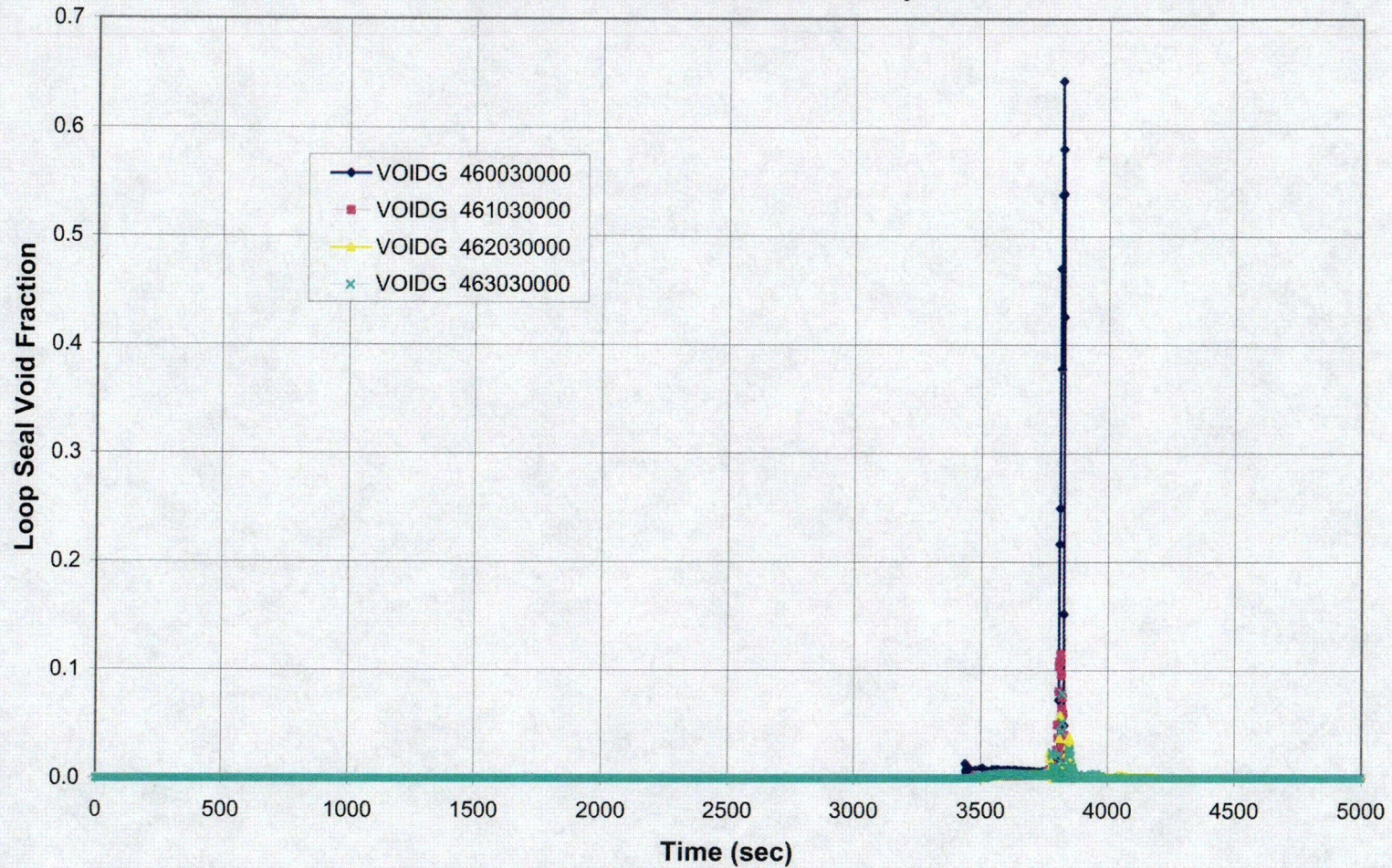


Figure F-8 Loop Seal Void Fractions – 1.5-in Break (Severed ECCS Line)

CG2

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

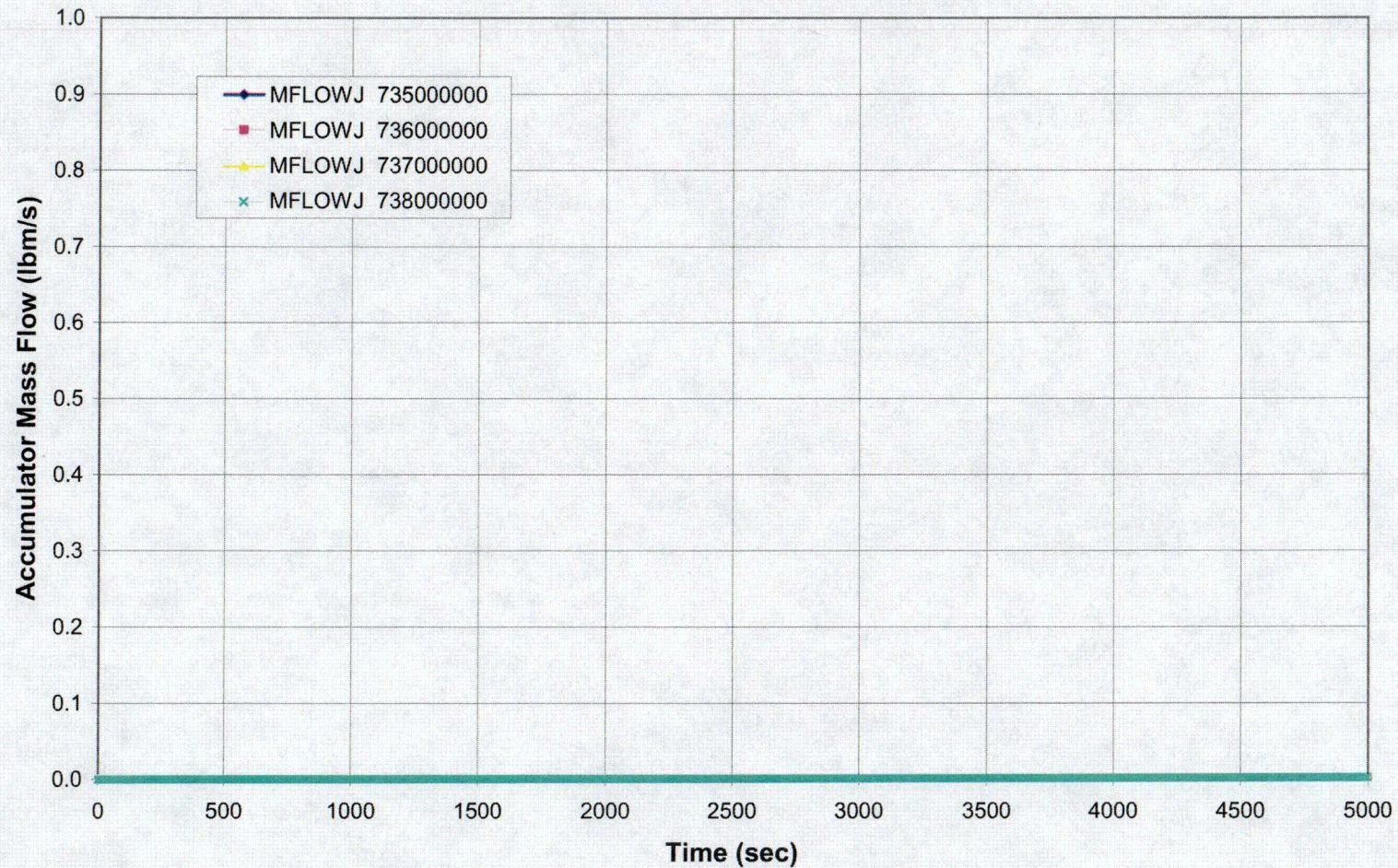


Figure F-9 Accumulator Mass Flow Rates – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

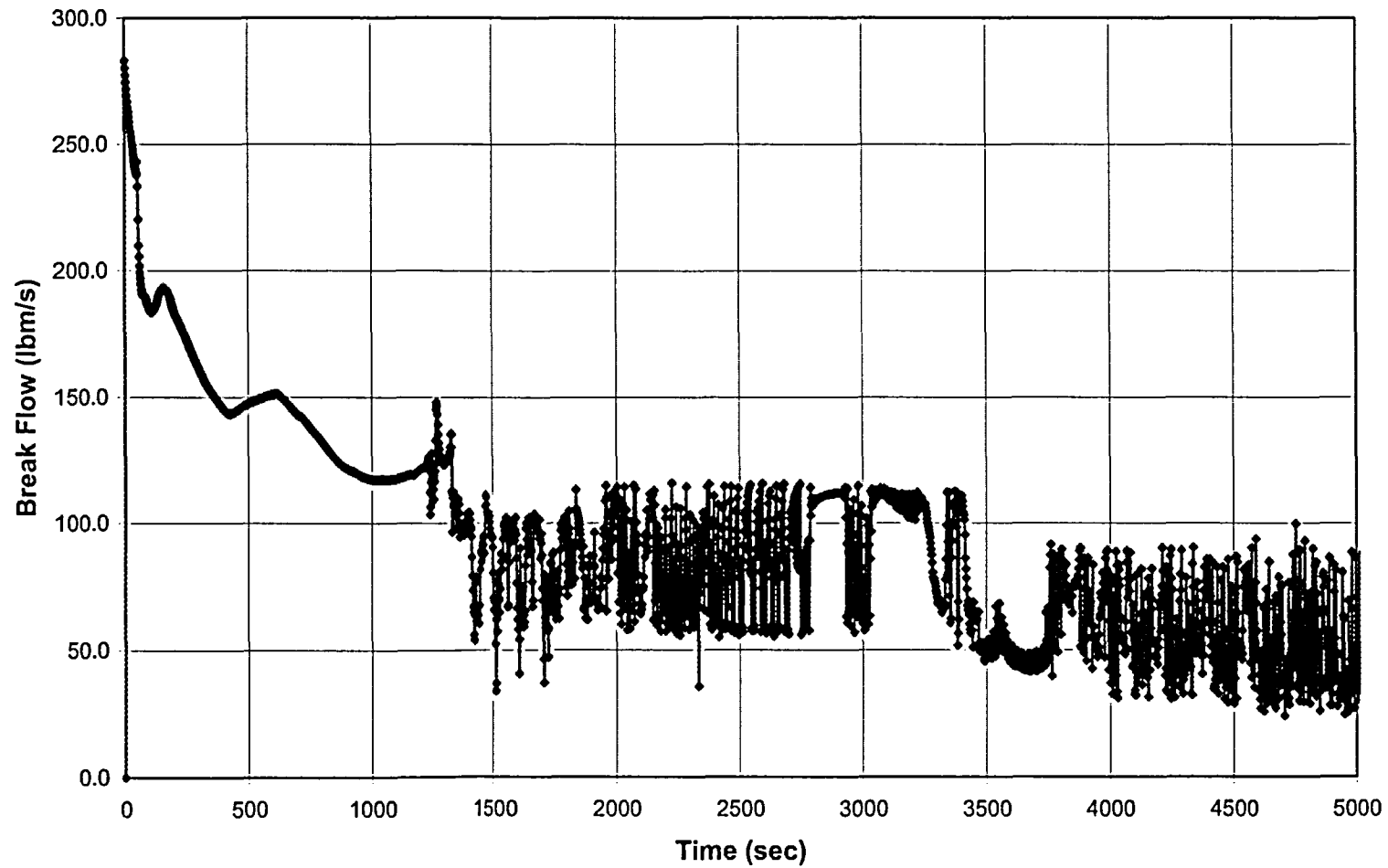


Figure F-10 Break Flow Rate – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

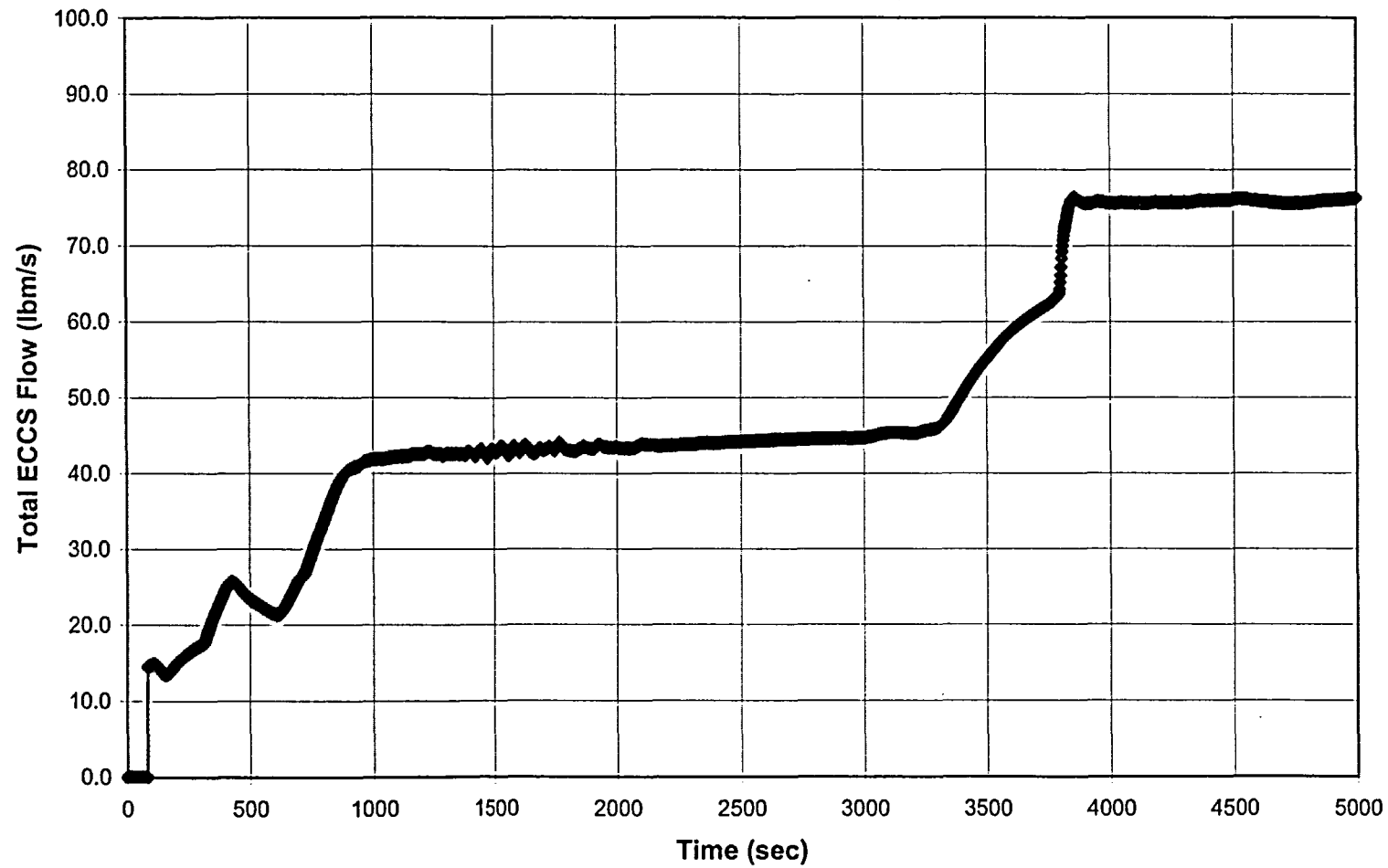


Figure F-11 Total Pumped ECCS Flow Rate – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

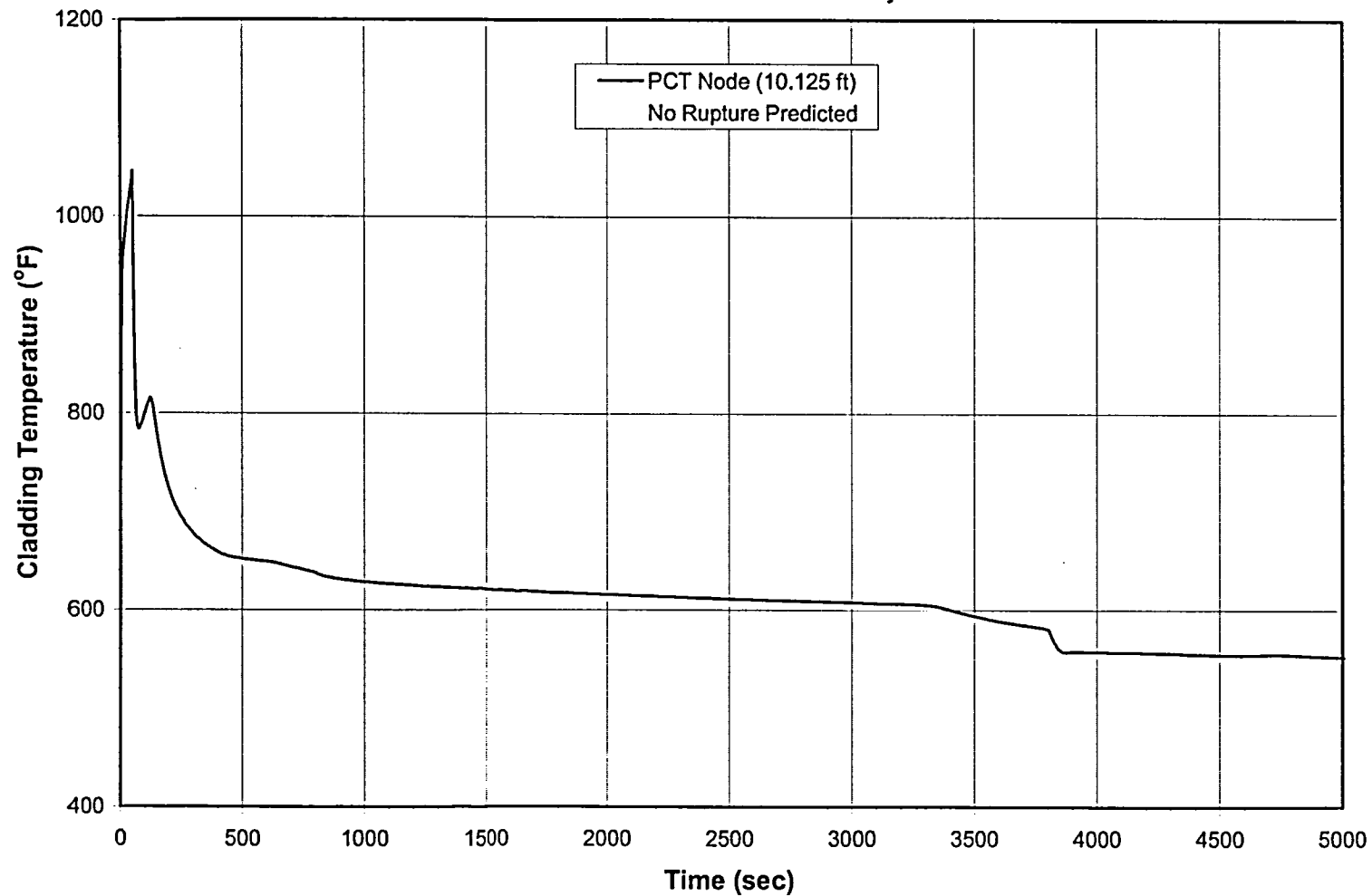


Figure F-12 TOODEE2 Clad Temperature – 1.5-in Break (Severed ECCS Line)

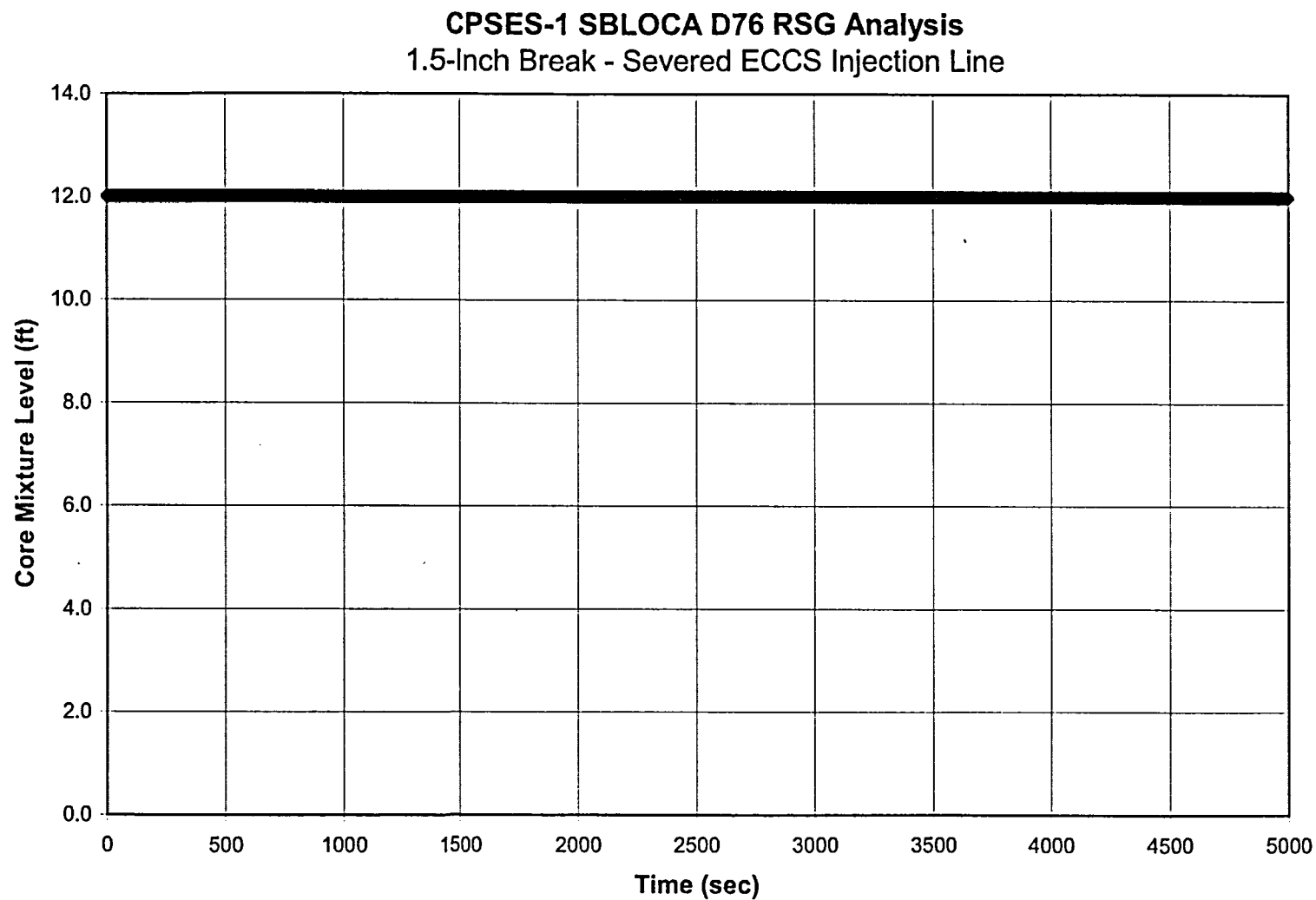


Figure F-13 Core Mixture Level – 1.5-in Break (Severed ECCS Line)

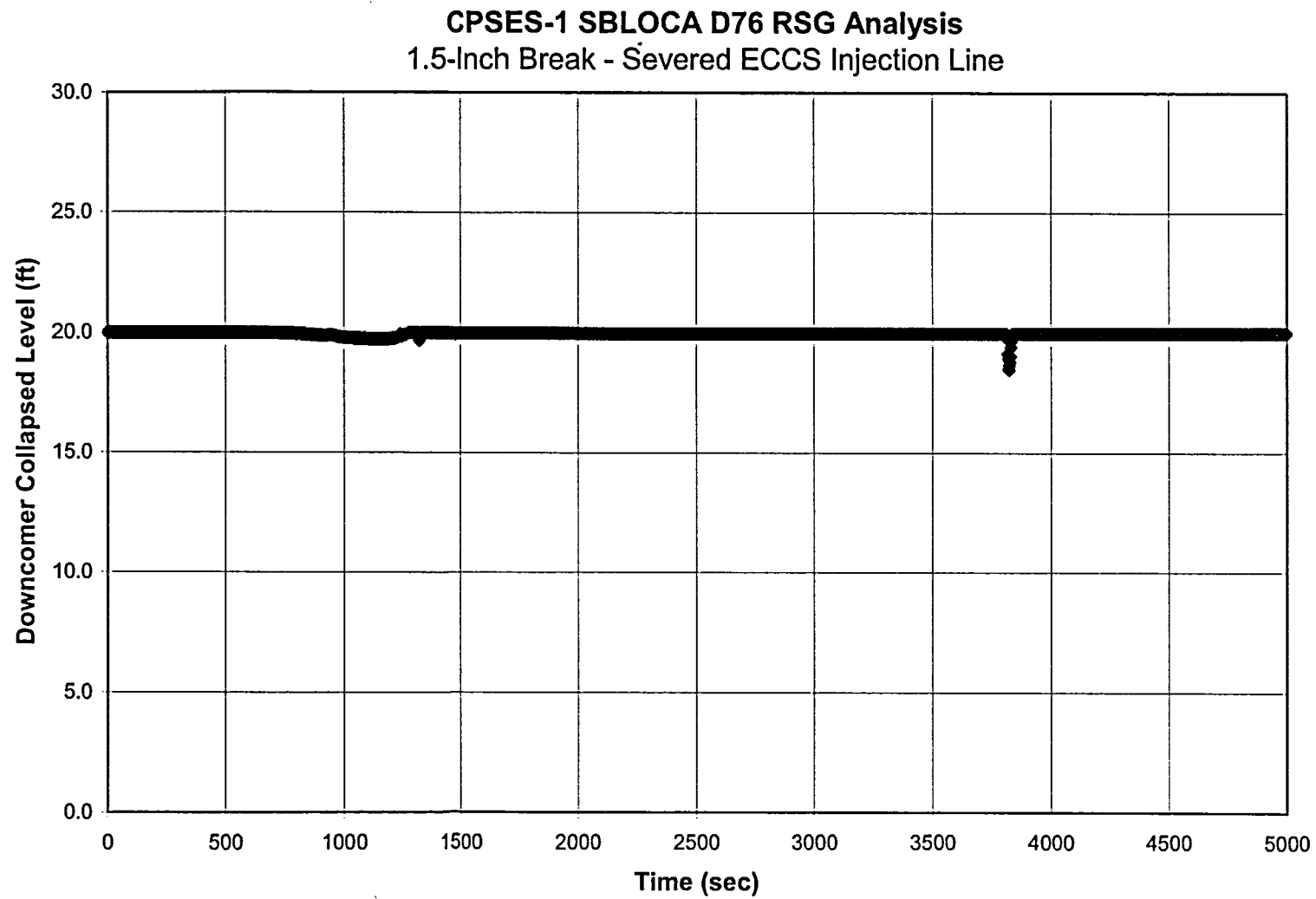


Figure F-14 Downcomer Liquid Level – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

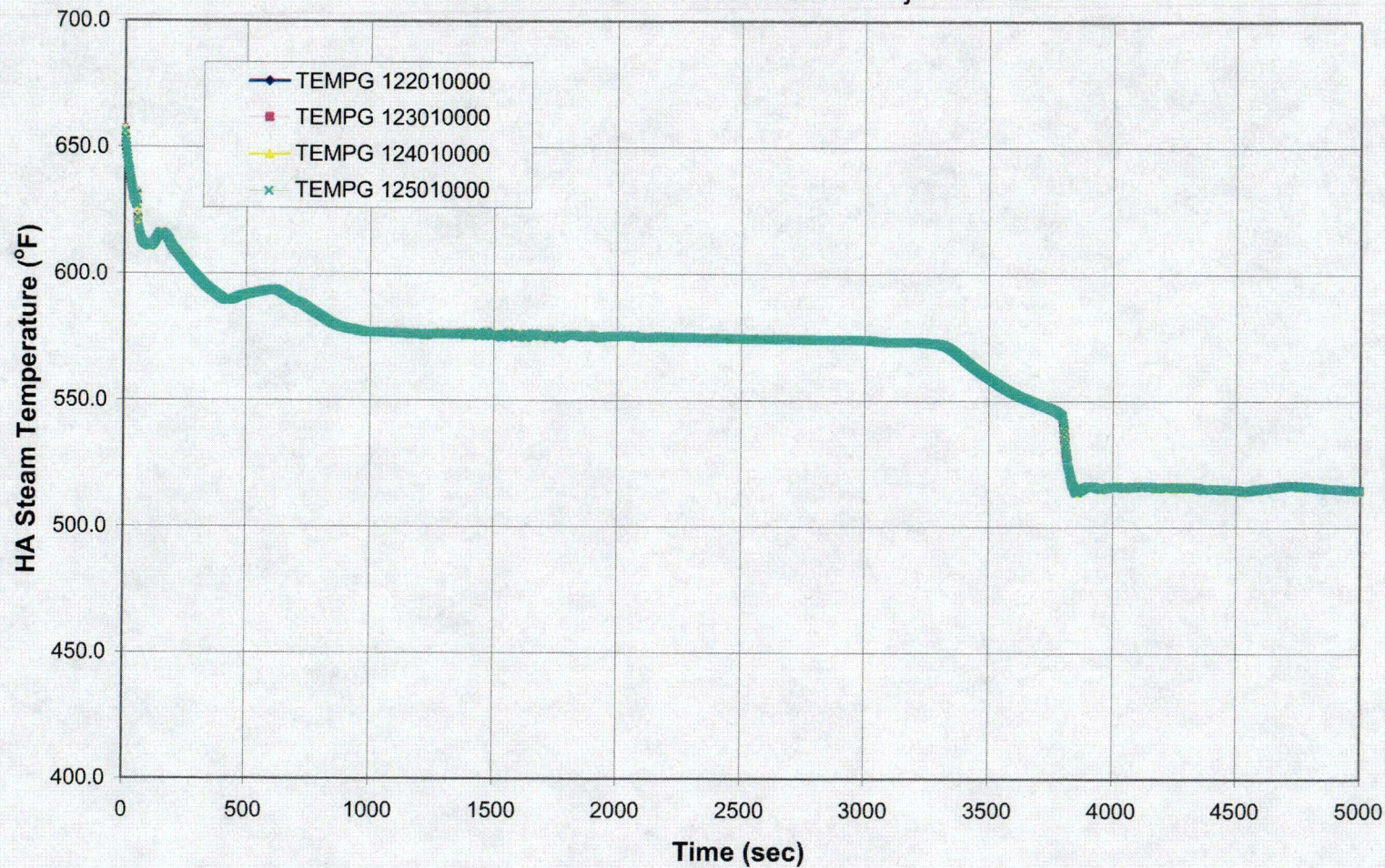


Figure F-15 Hot Assembly Steam Temperatures – 1.5-in Break (Severed ECCS Line)

CGF

CPSES-1 SBLOCA D76 RSG Analysis
1.5-Inch Break - Severed ECCS Injection Line

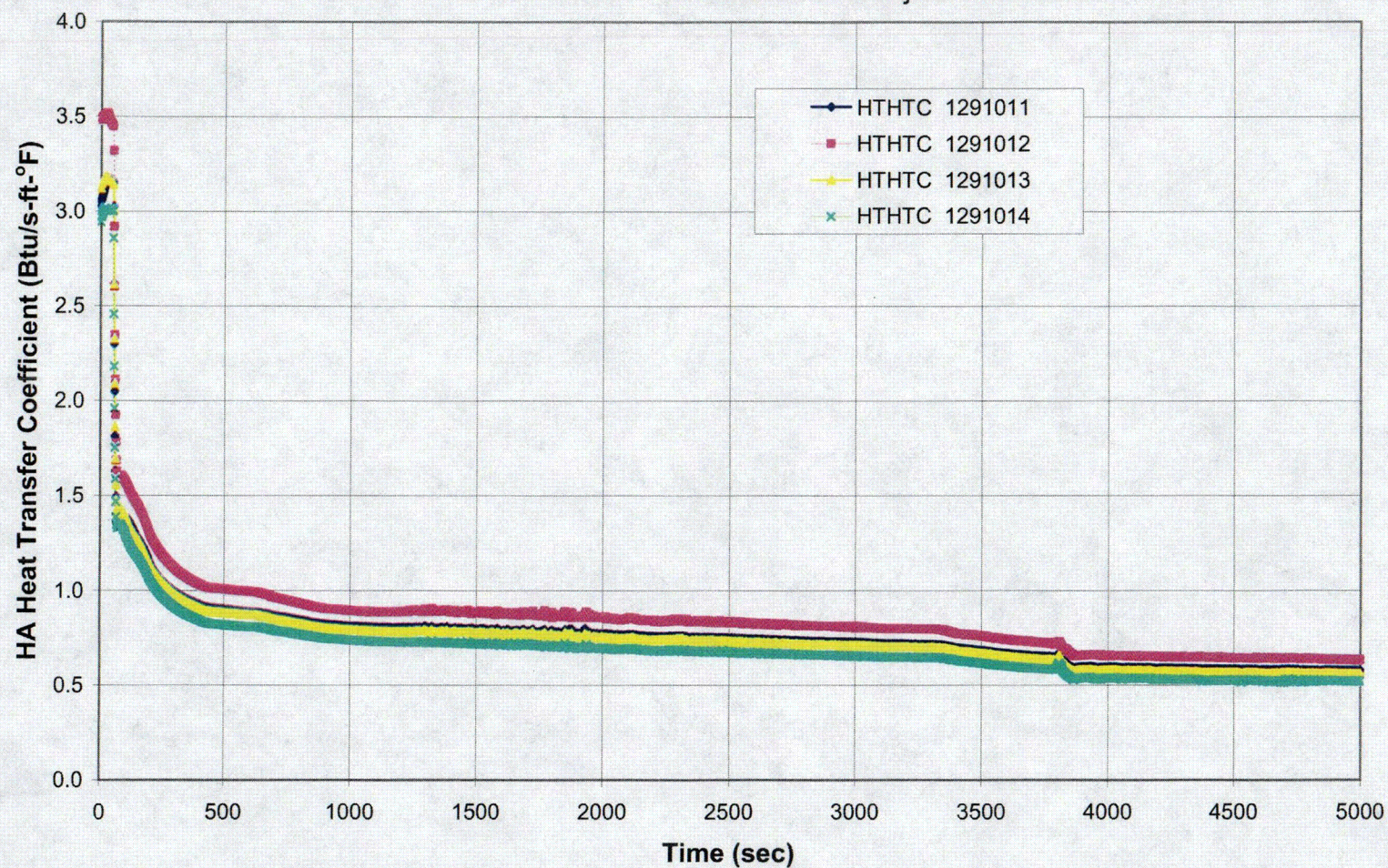


Figure F-16 Hot Assembly Heat Transfer Coefficients – 1.5-in Break (Severed ECCS Line)

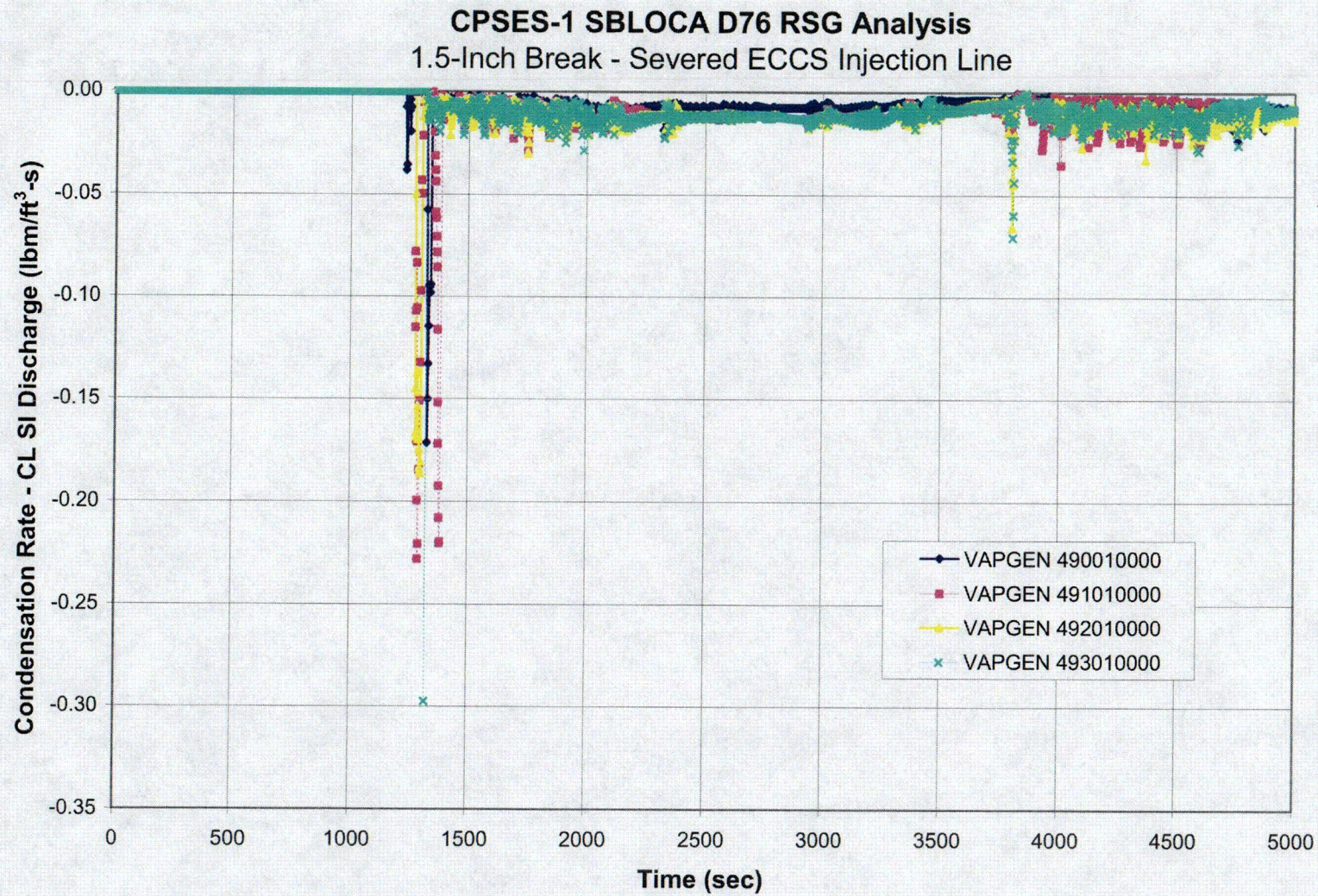


Figure F-17 Condensation Rate in Cold Leg Discharge – 1.5-in Break (Severed ECCS Line)

CCG

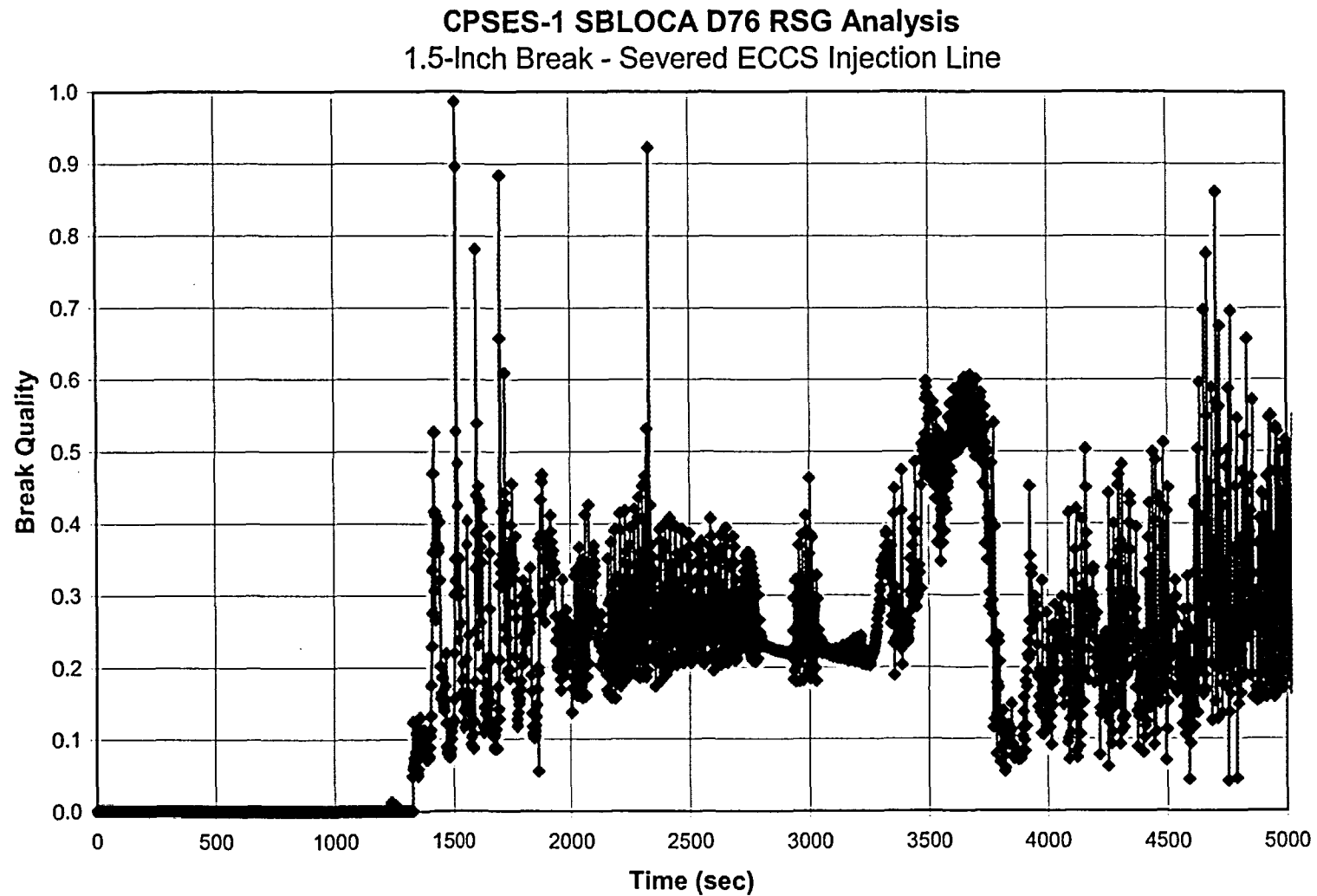


Figure F-18 Break Quality – 1.5-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

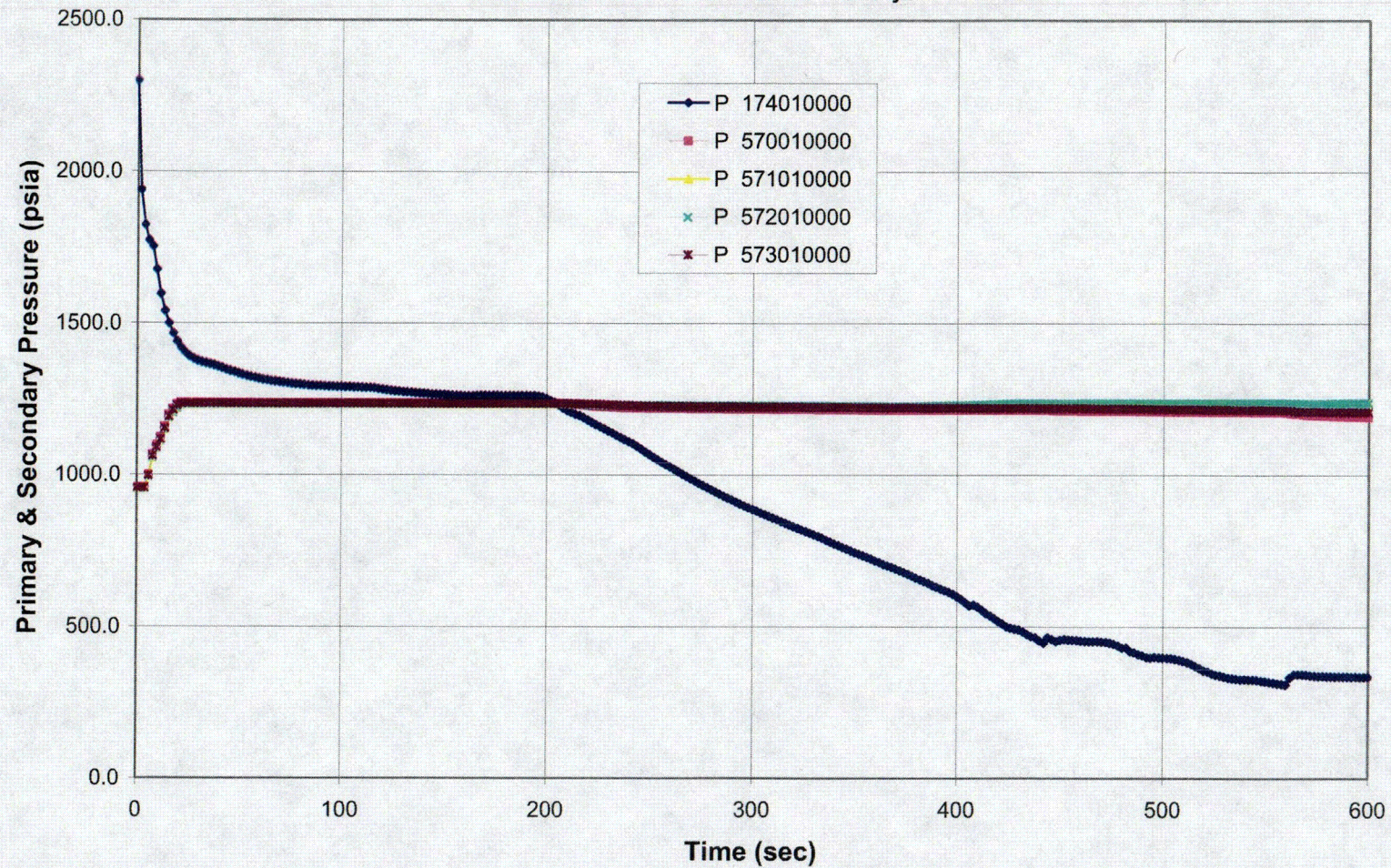


Figure G-1 Primary and Secondary System Pressures – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

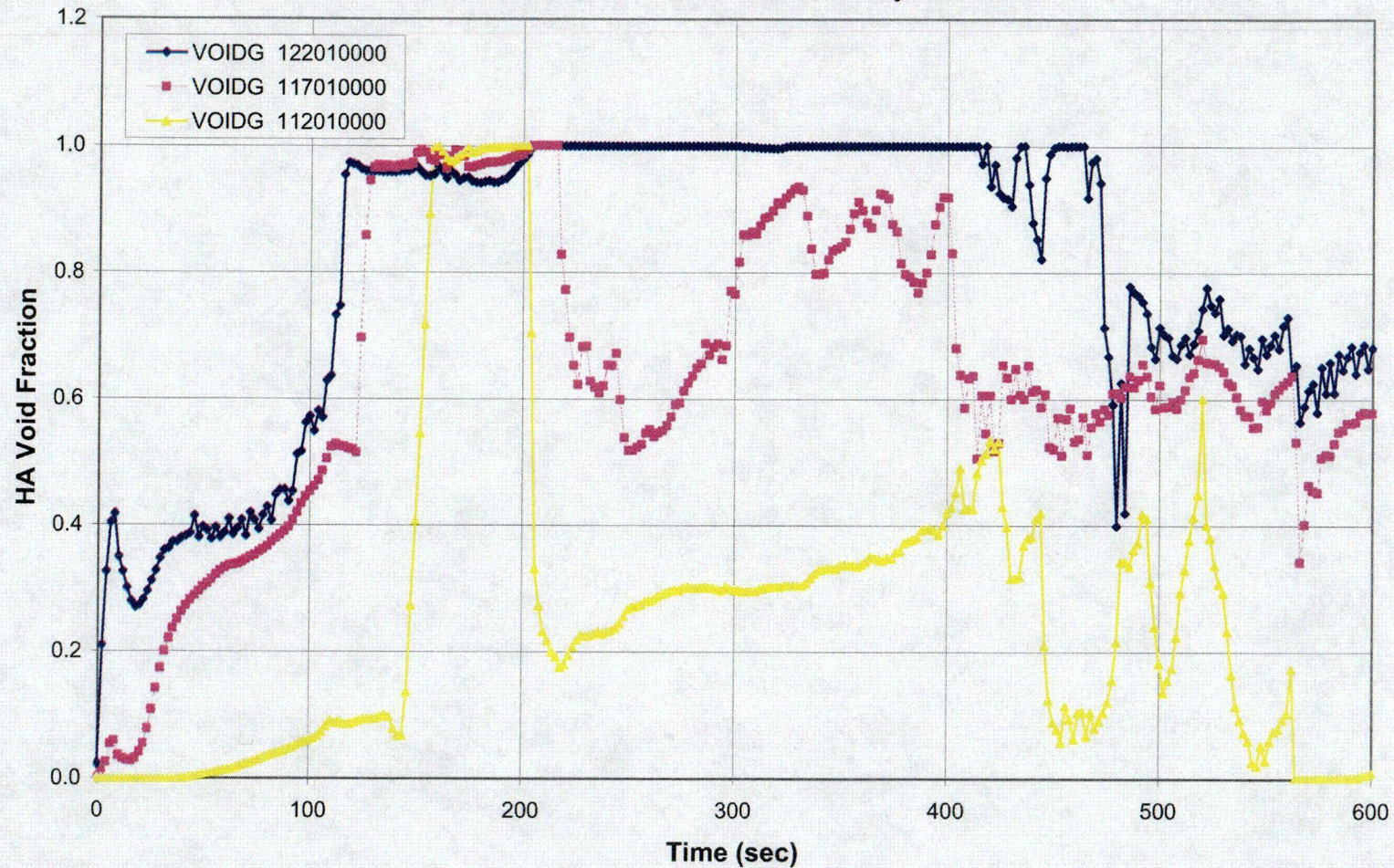


Figure G-2 Hot Assembly Region Void Fractions – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

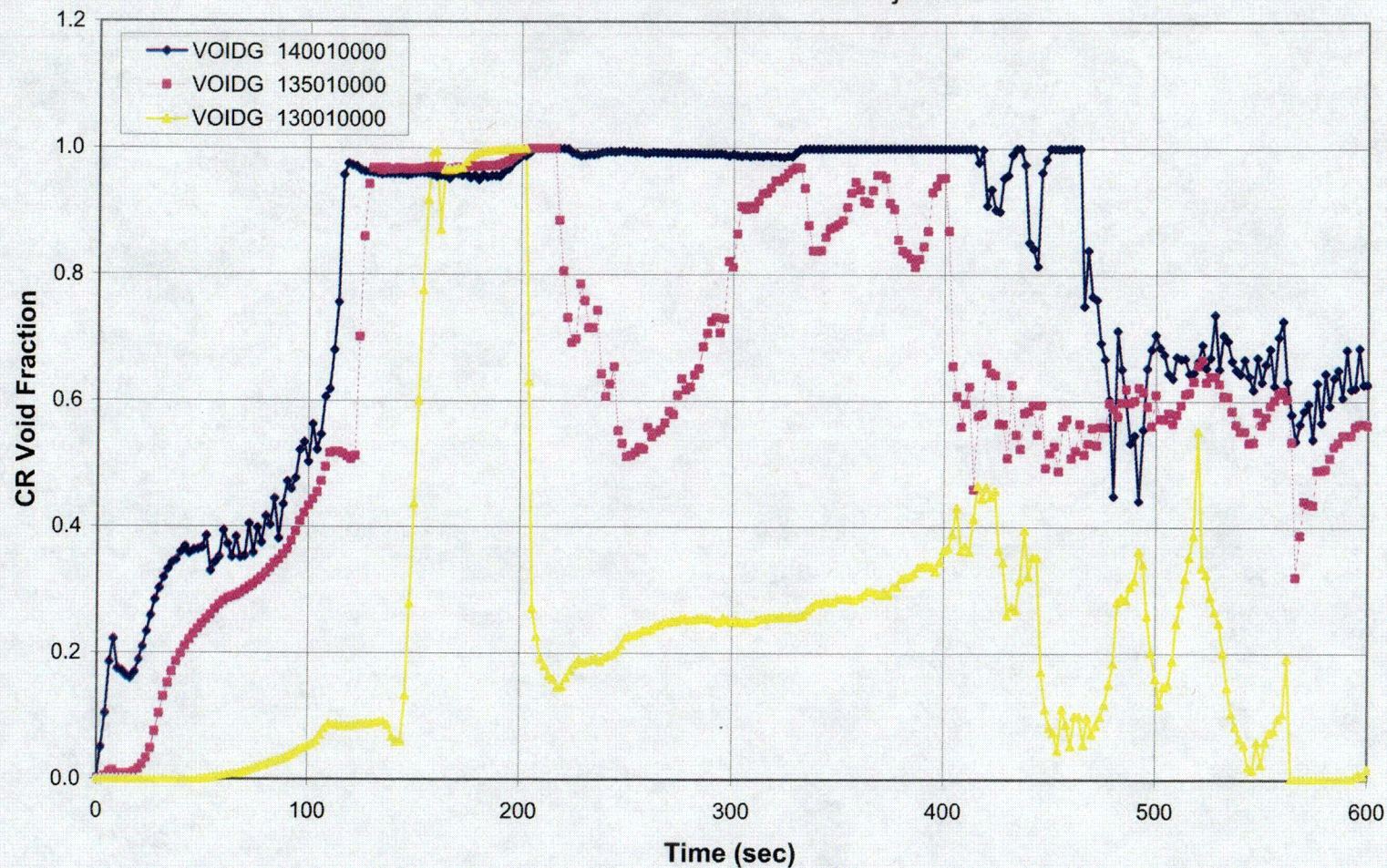


Figure G-3 Central Core Region Void Fractions – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

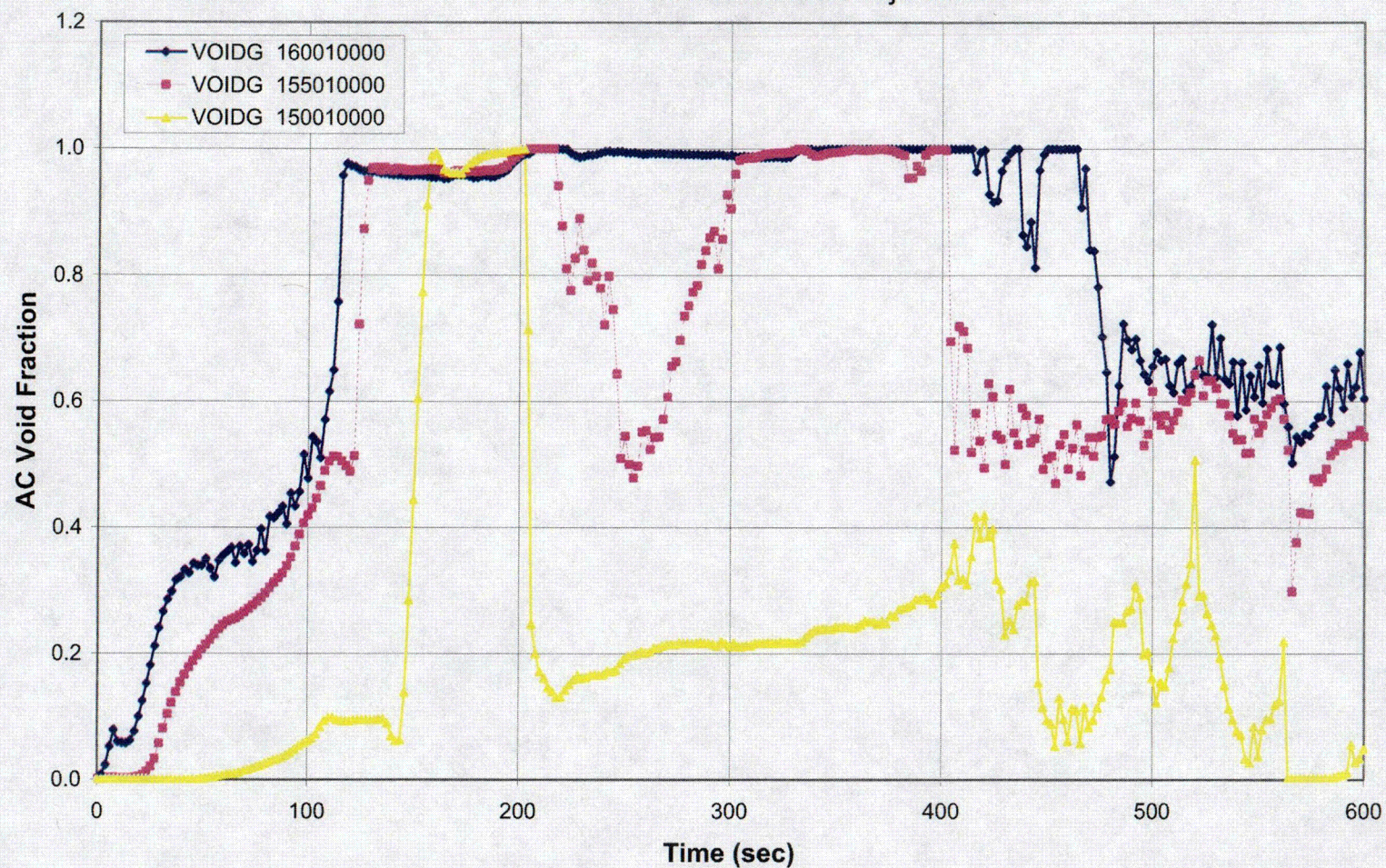


Figure G-4 Average Core Region Void Fractions – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

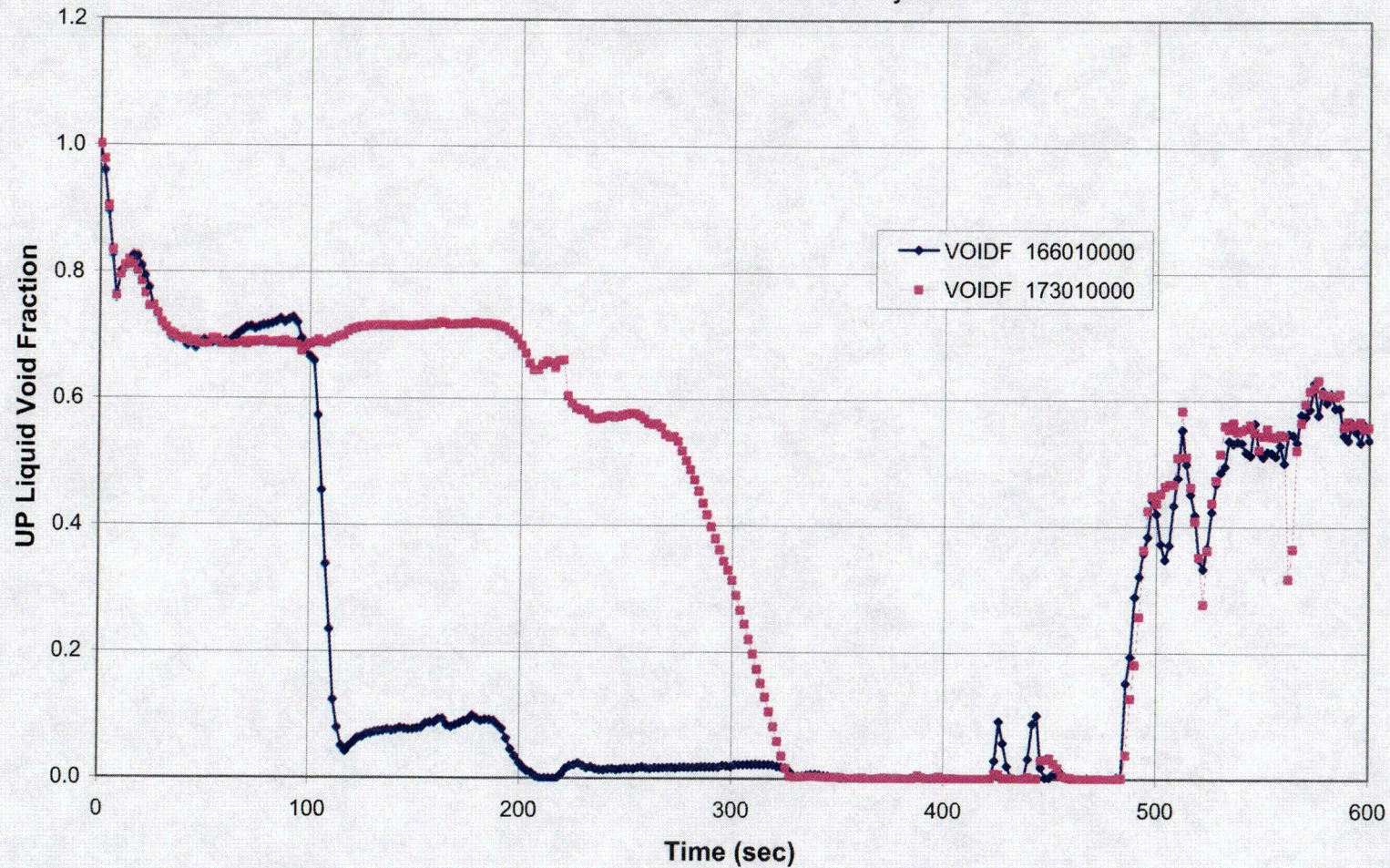


Figure G-5 Upper Plenum Liquid Fraction – 6-in Break (Severed ECCS Line)

CT1

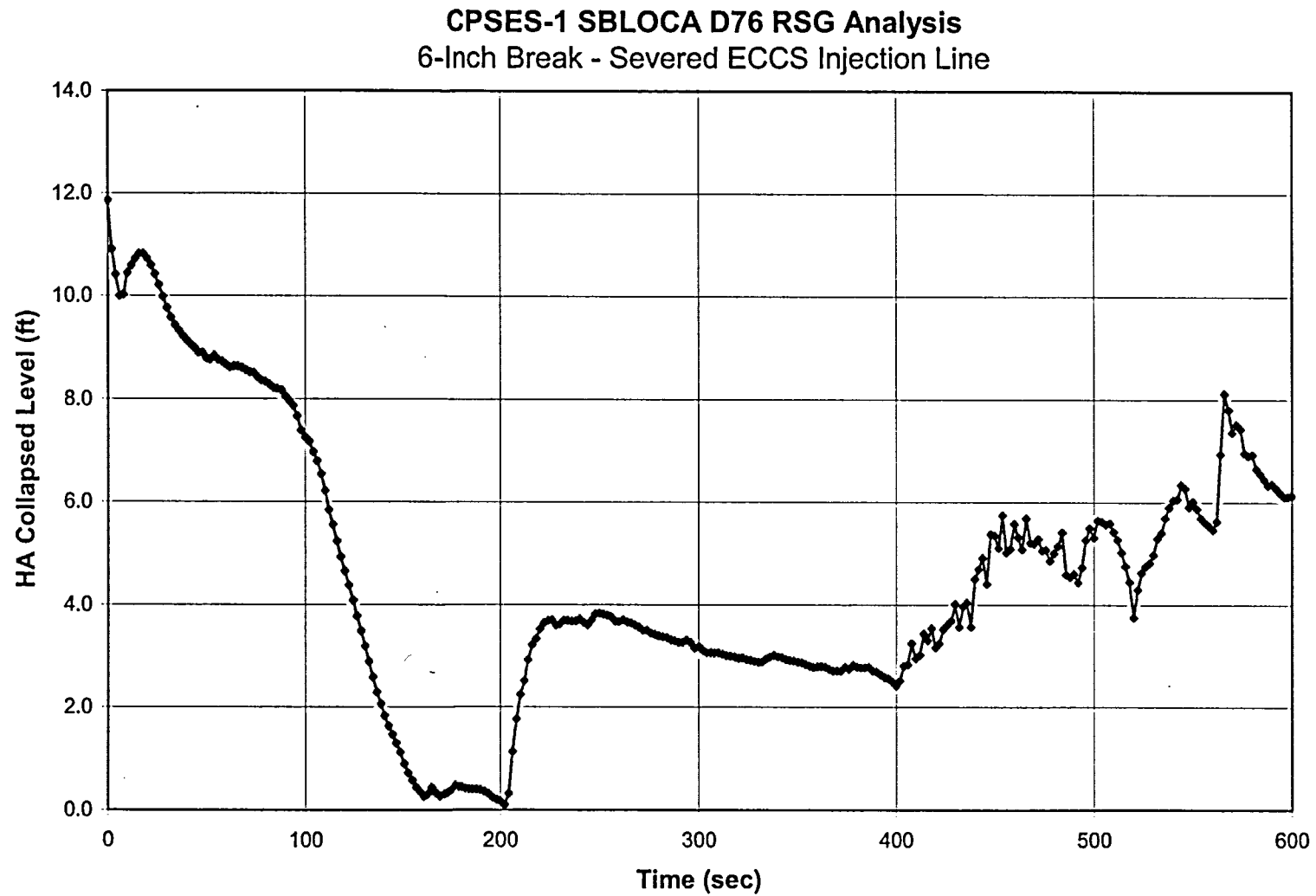


Figure G-6 Hot Assembly Collapsed Water Level – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

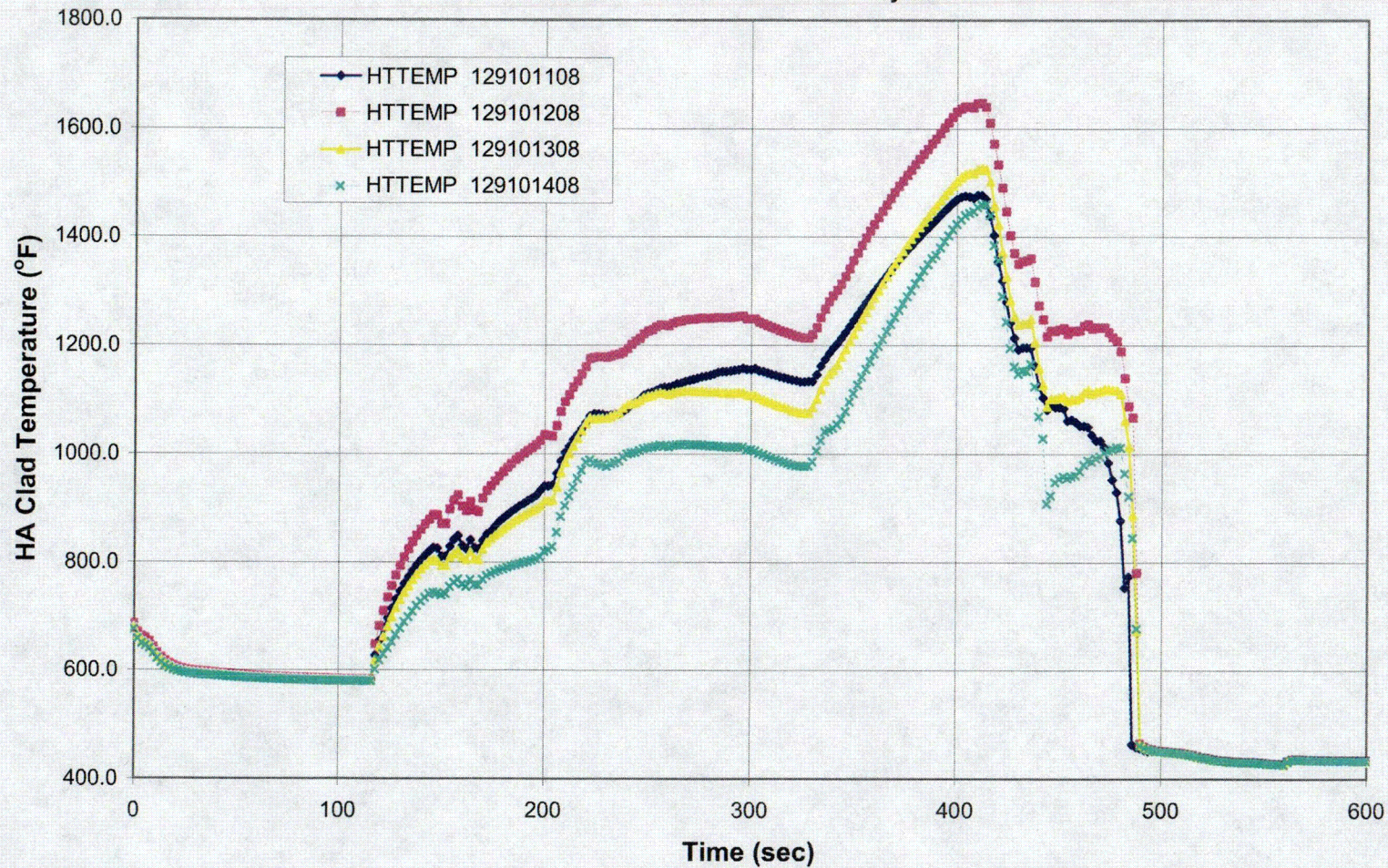


Figure G-7 Hot Assembly Clad Temperatures – 6-in Break (Severed ECCS Line)

CT2

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

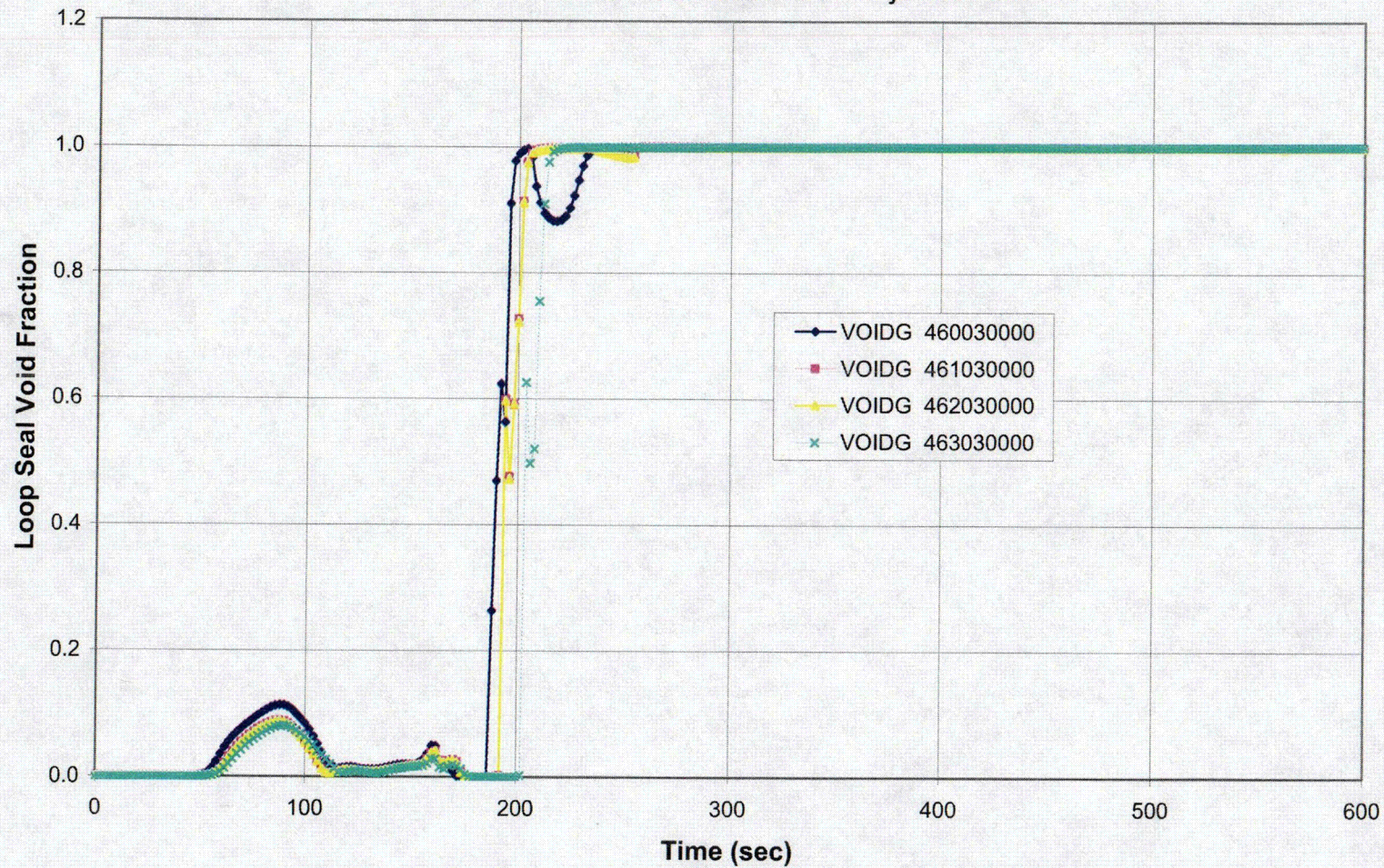


Figure G-8 Loop Seal Void Fractions – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

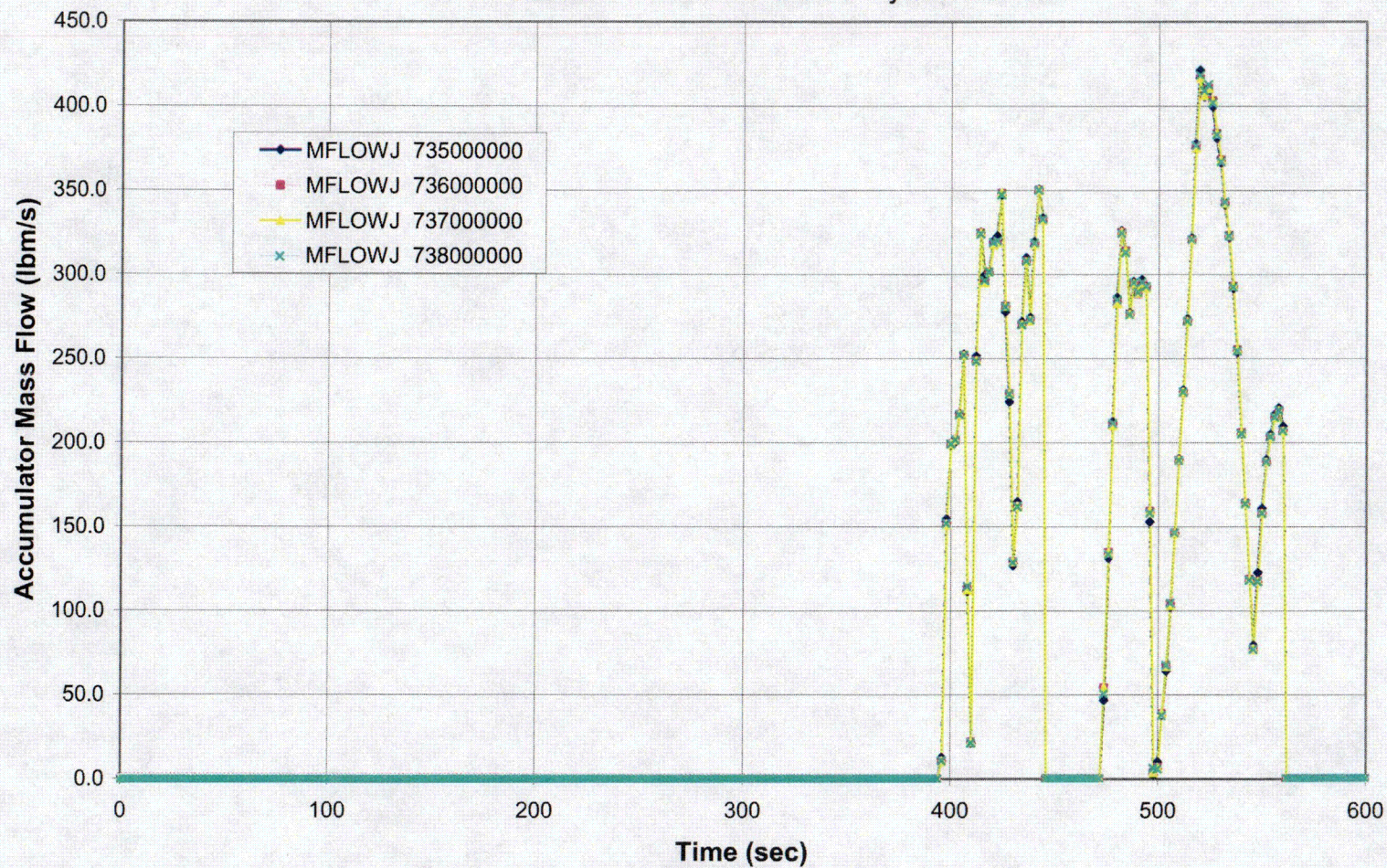


Figure G-9 Accumulator Mass Flow Rates – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

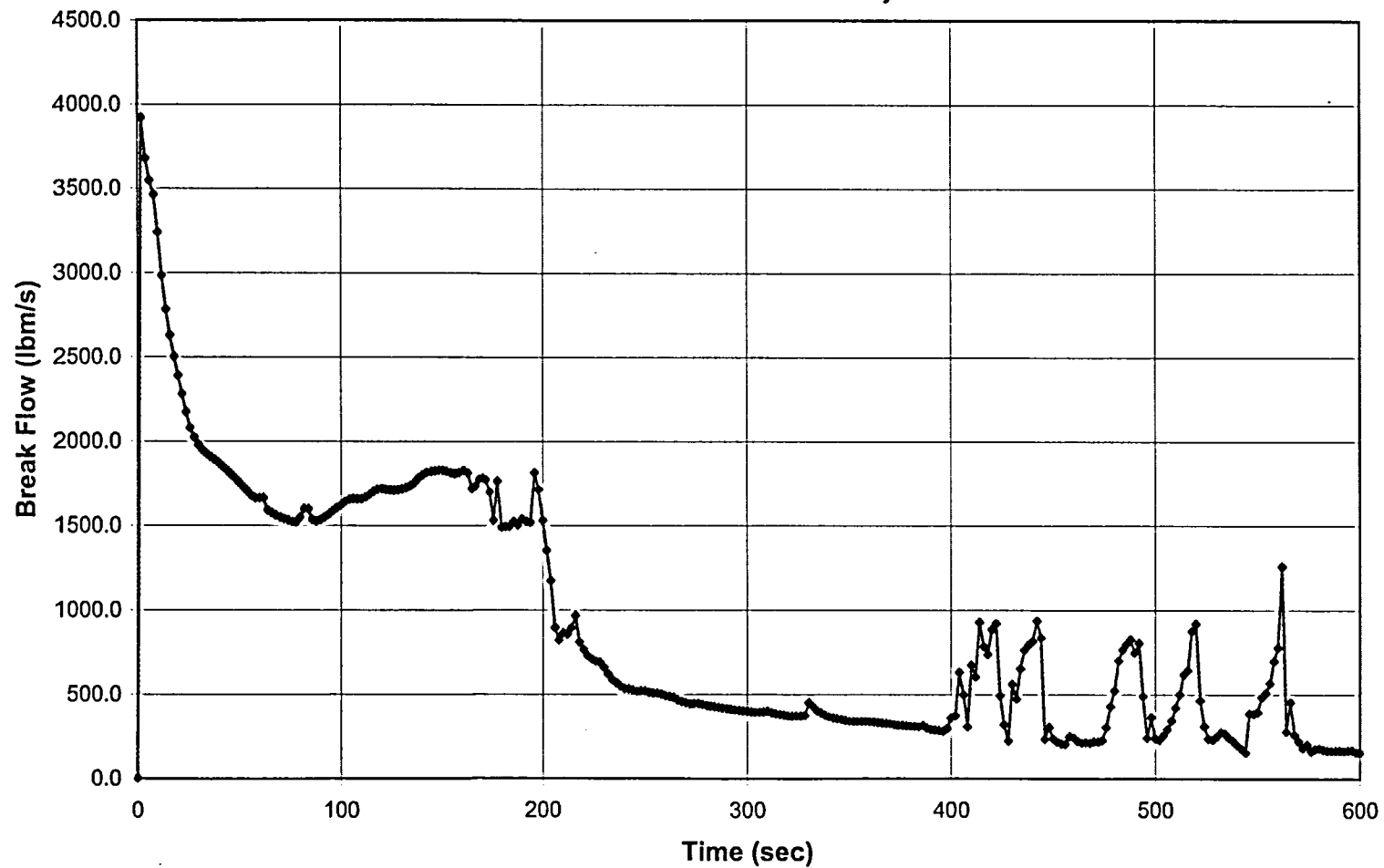


Figure G-10 Break Flow Rate – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

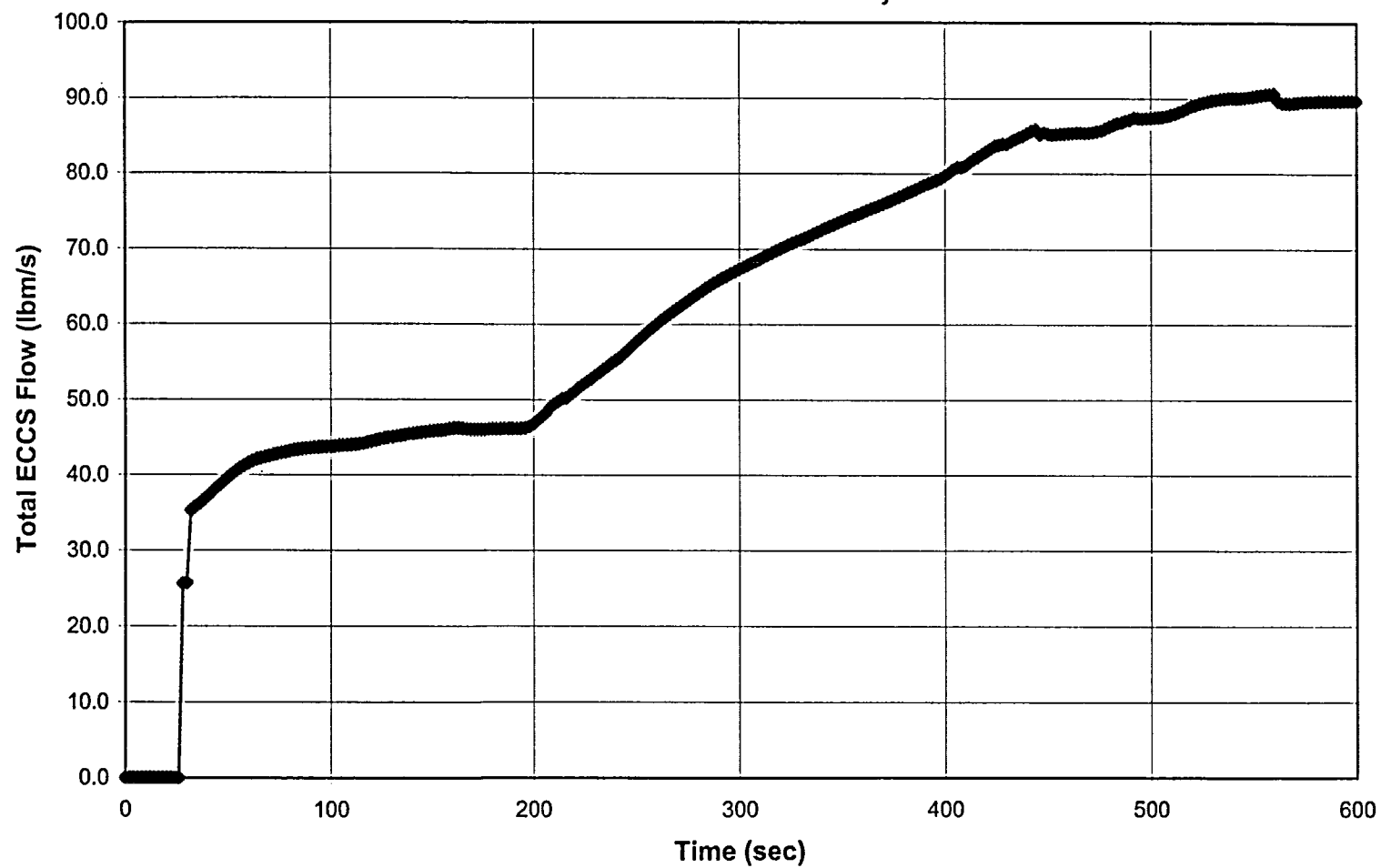


Figure G-11 Total Pumped ECCS Flow Rate – 6-in Break (Severed ECCS Line)

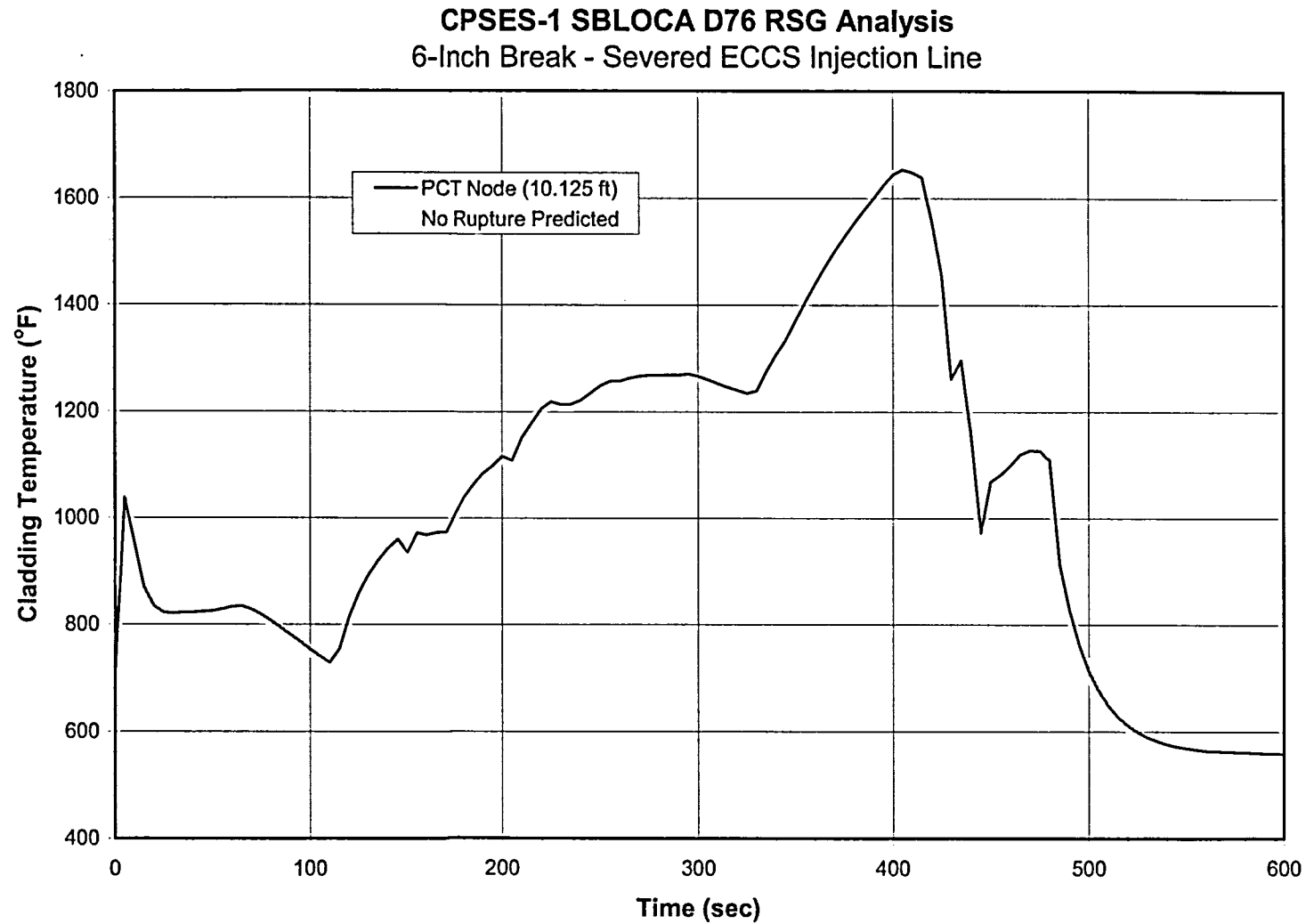


Figure G-12 TOODEE2 Clad Temperature – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

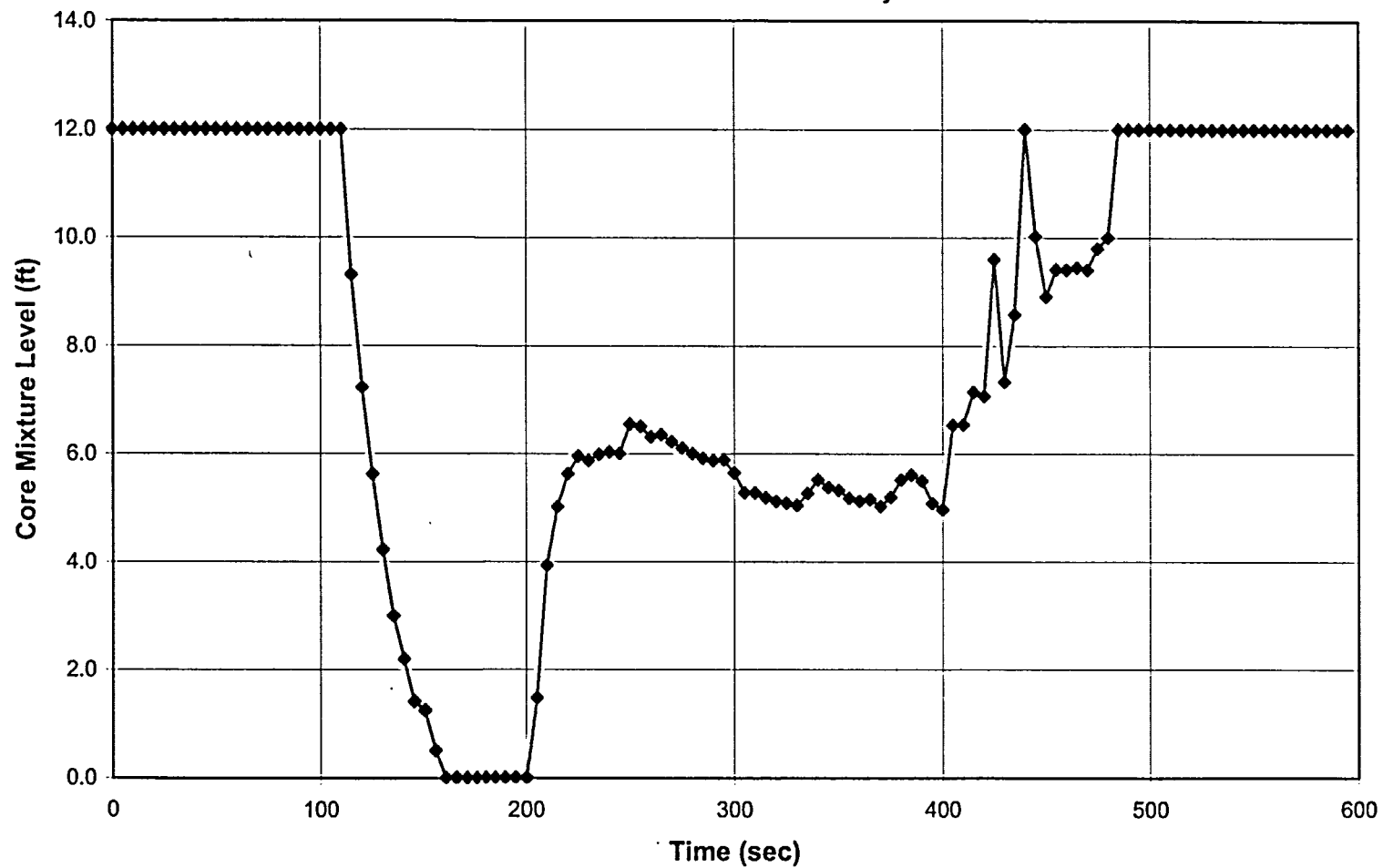


Figure G-13 Core Mixture Level – 6-in Break (Severed ECCS Line)

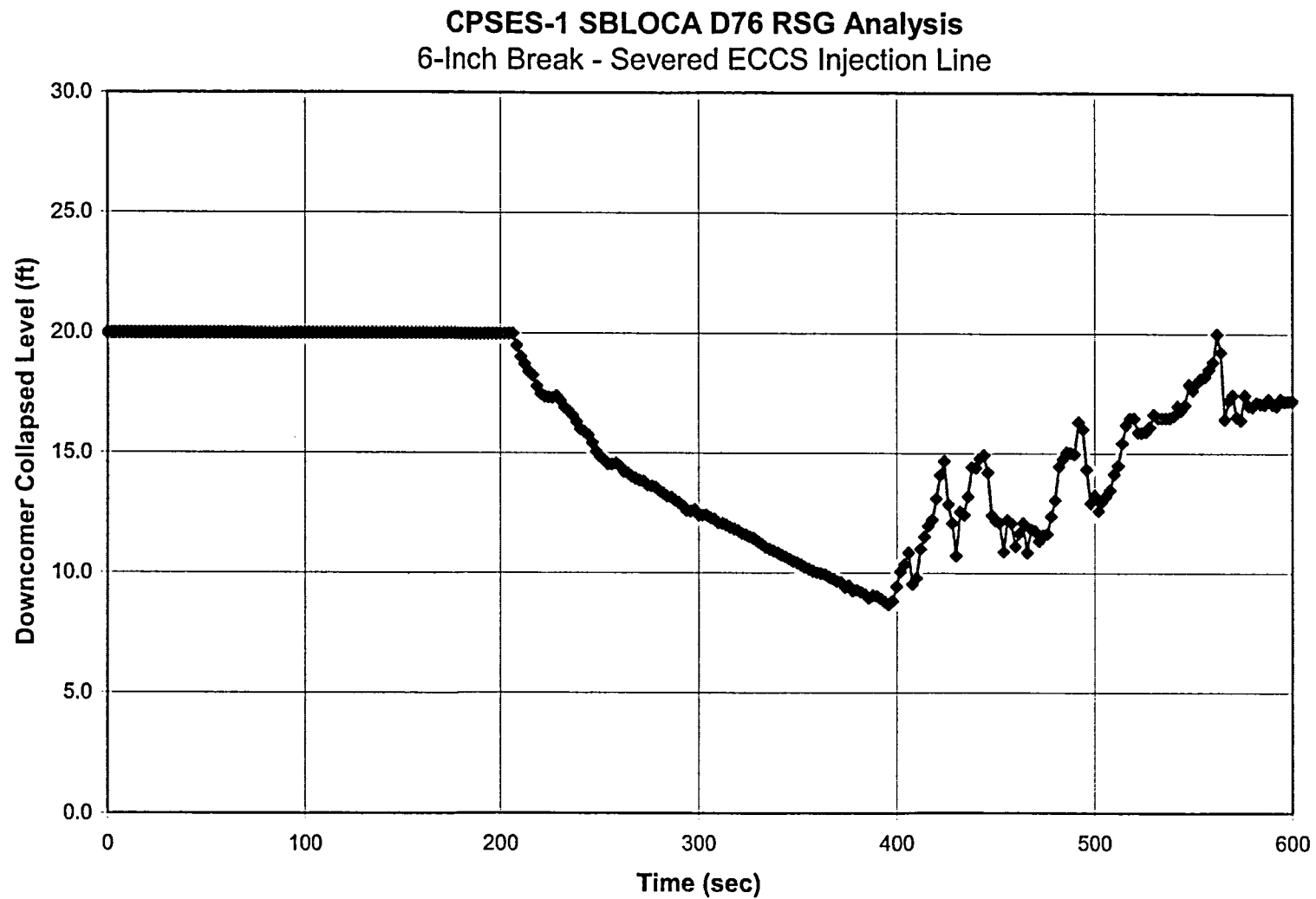


Figure G-14 Downcomer Liquid Level – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

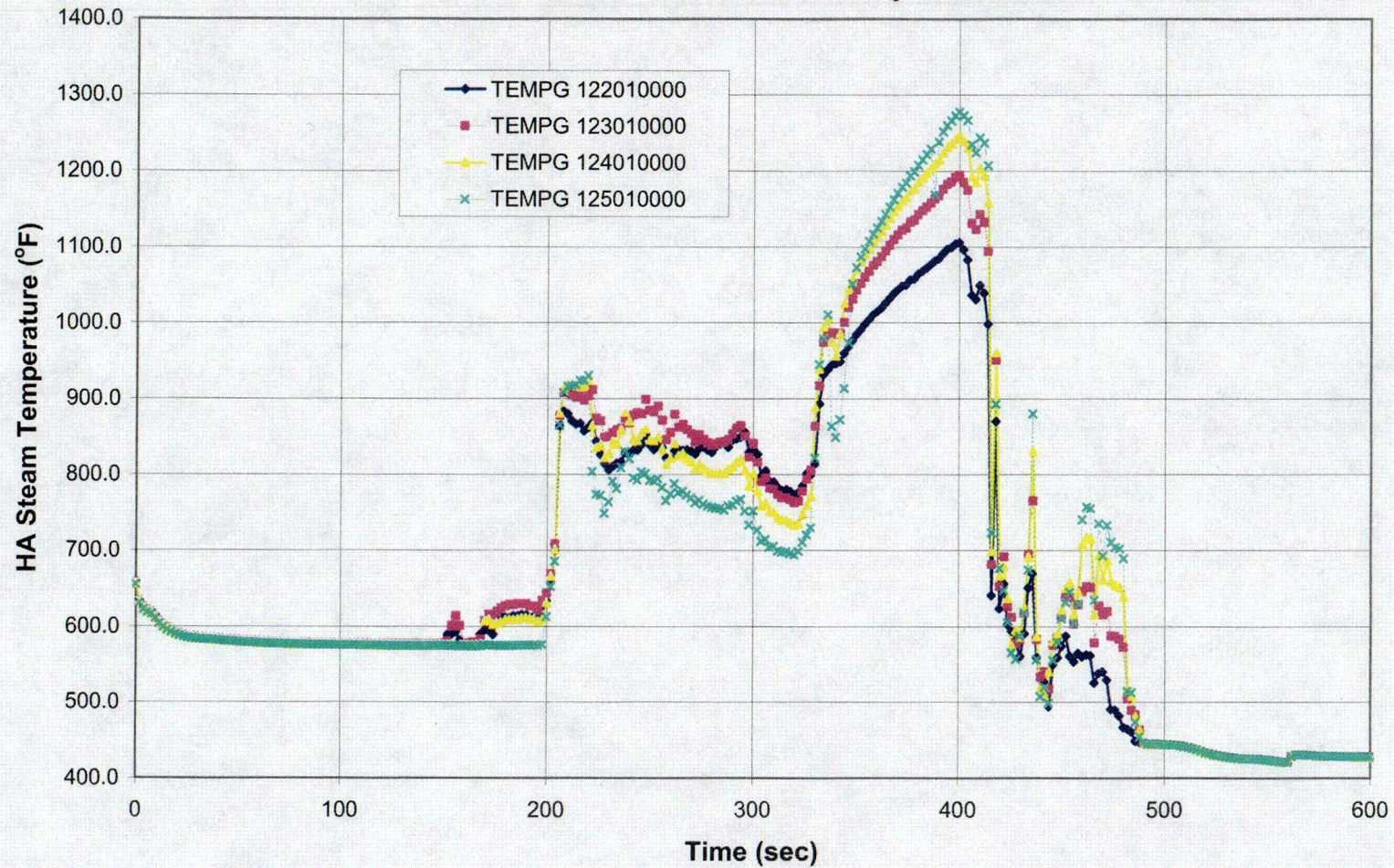


Figure G-15 Hot Assembly Steam Temperatures – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
6-Inch Break - Severed ECCS Injection Line

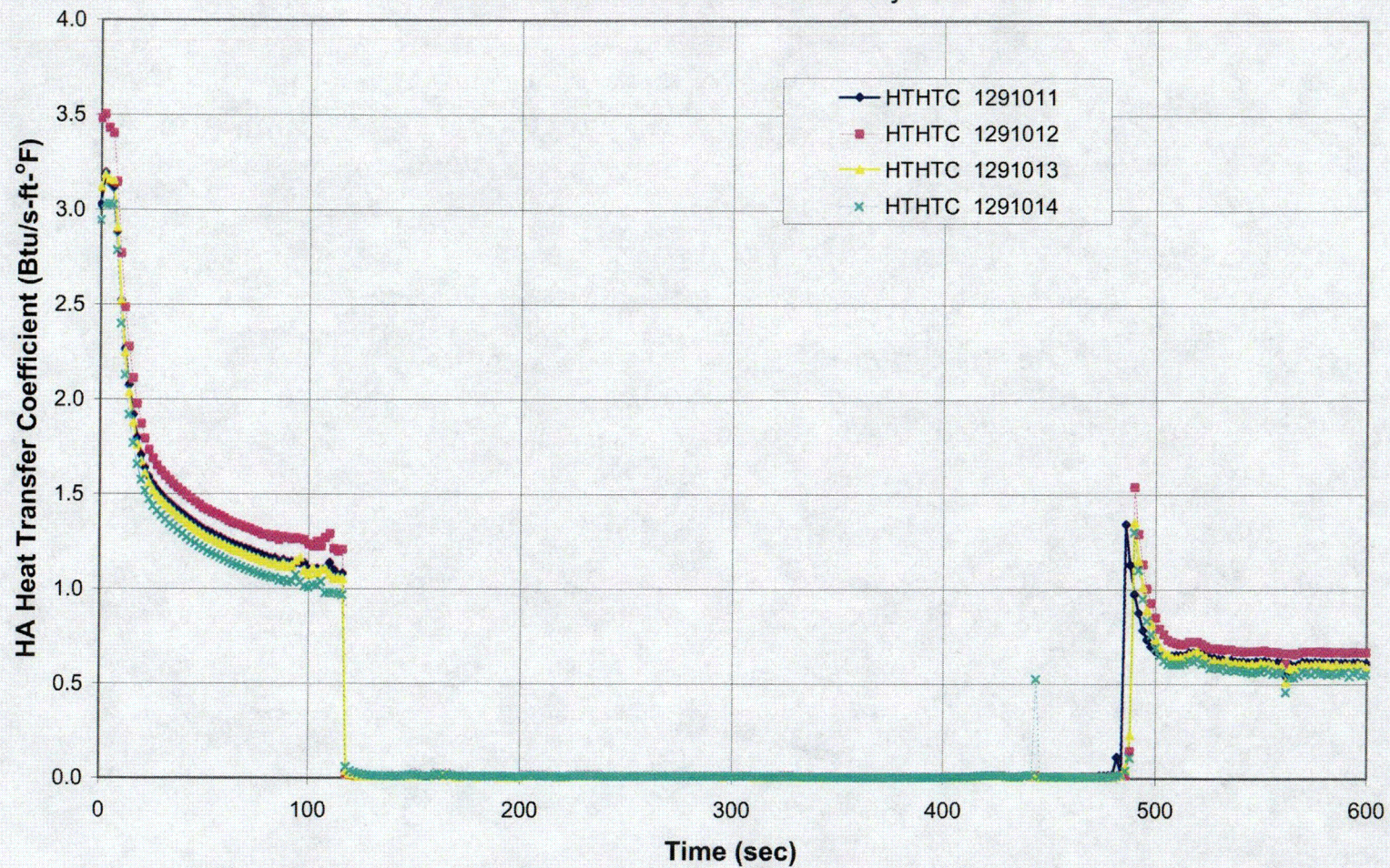


Figure G-16 Hot Assembly Heat Transfer Coefficients – 6-in Break (Severed ECCS Line)

C76

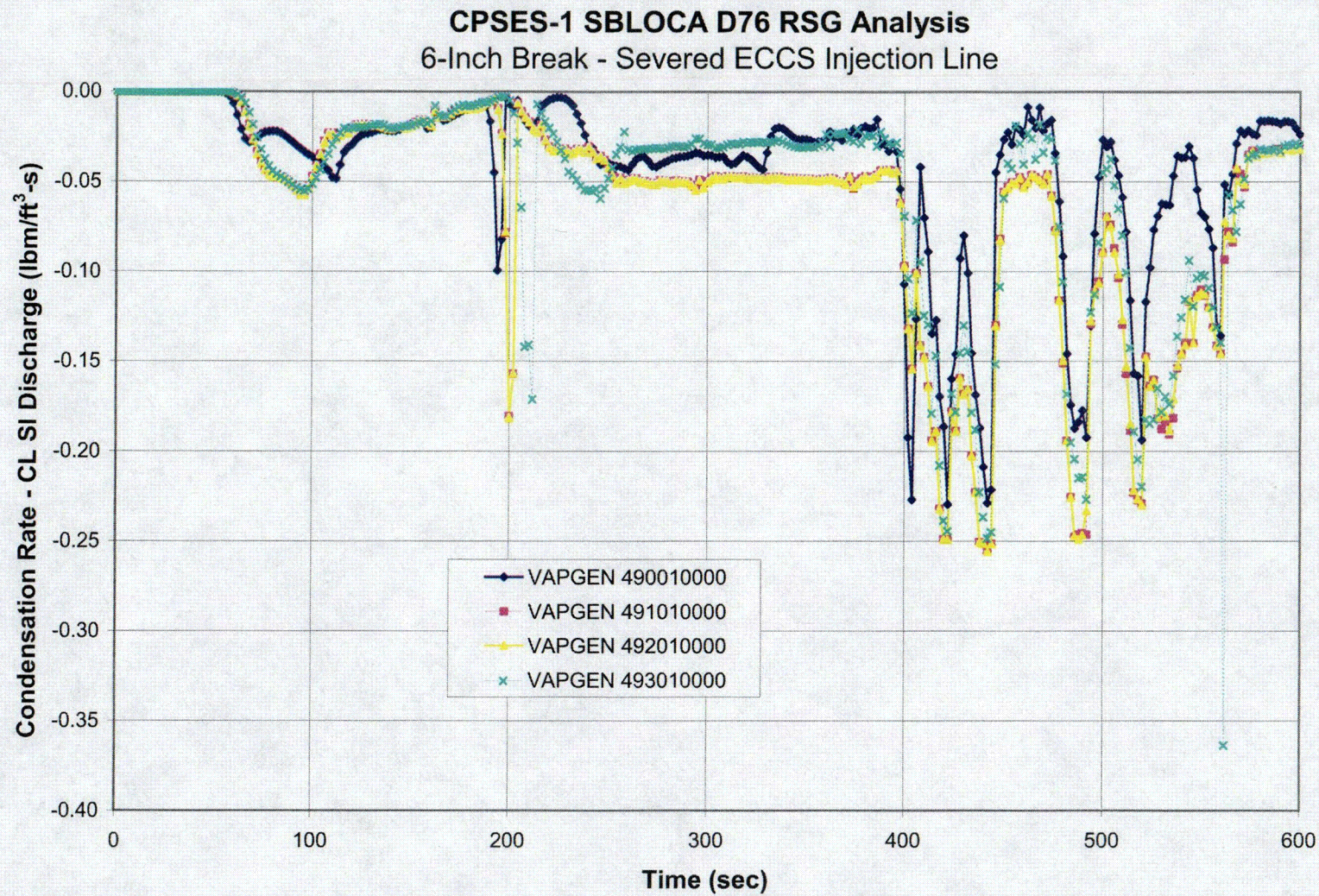


Figure G-17 Condensation Rate in Cold Leg Discharge – 6-in Break (Severed ECCS Line)

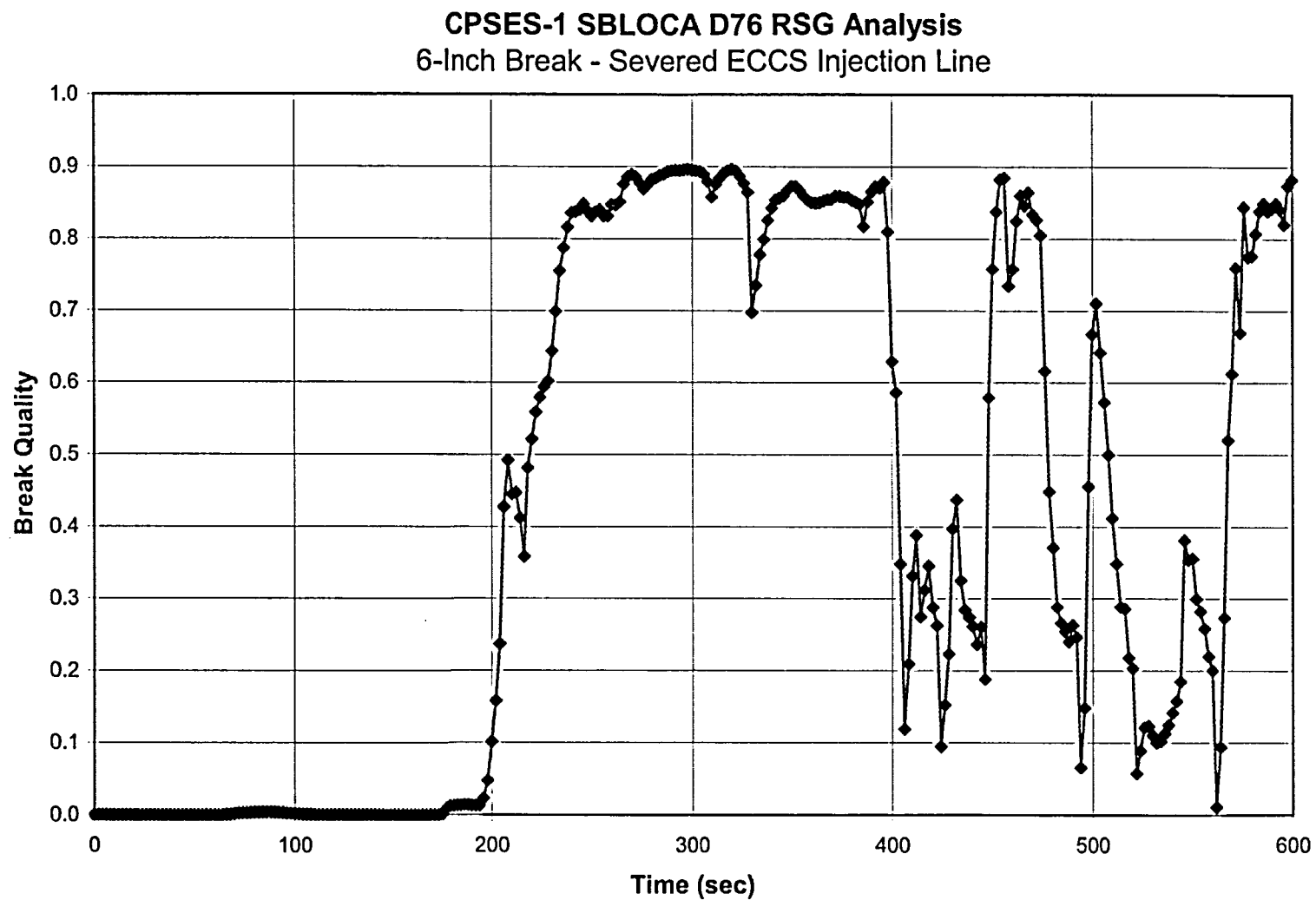


Figure G-18 Break Quality – 6-in Break (Severed ECCS Line)

CPSES-1 SBLOCA D76 RSG Analysis
4-Inch Break - Only Broken Loop Seal Clears

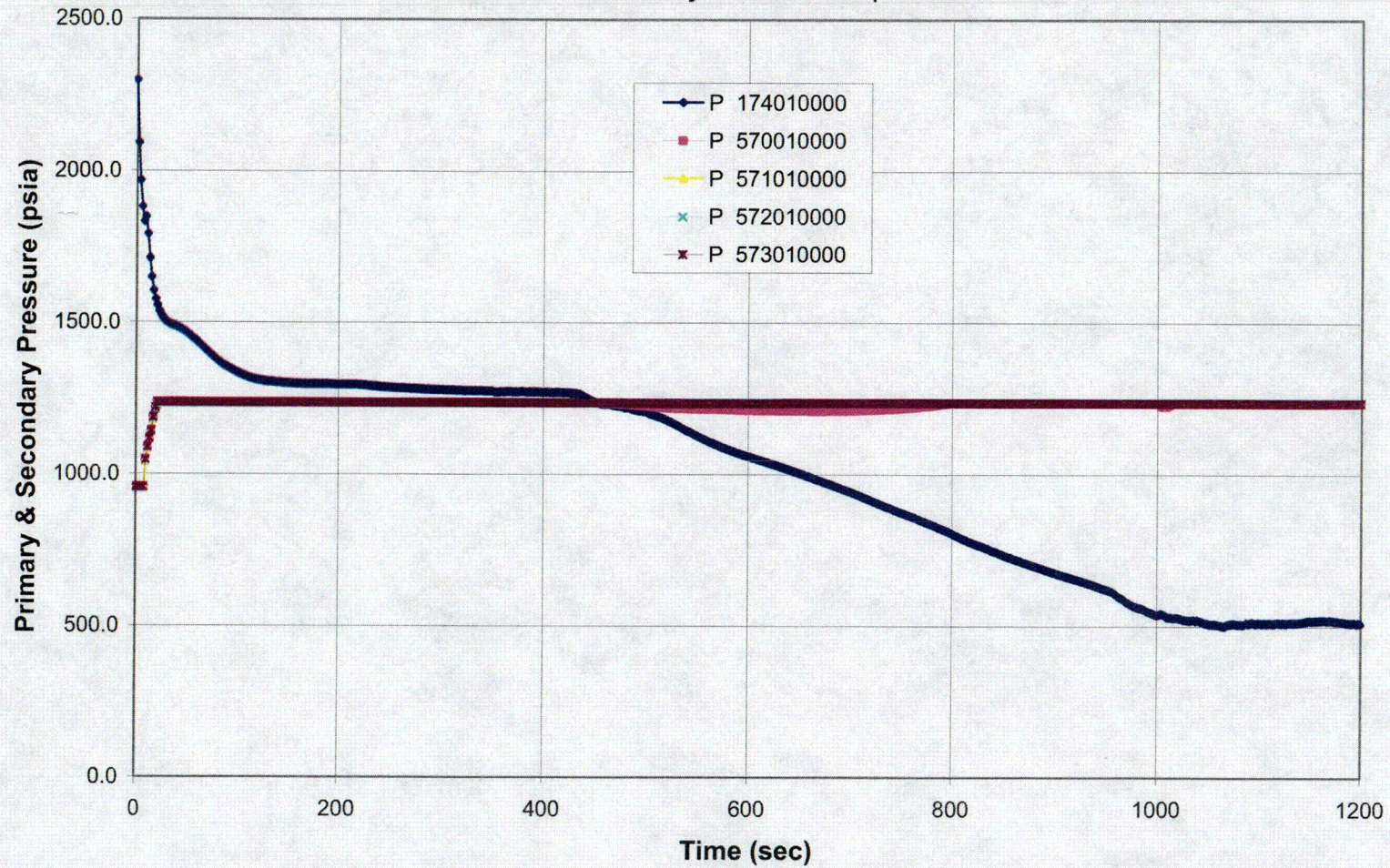


Figure H-1 Primary and Secondary System Pressures – 4-in Break (Only Broken Loop Seal Clears)

C78

CPSES-1 SBLOCA D76 RSG Analysis
4-Inch Break - Only Broken Loop Seal Clears

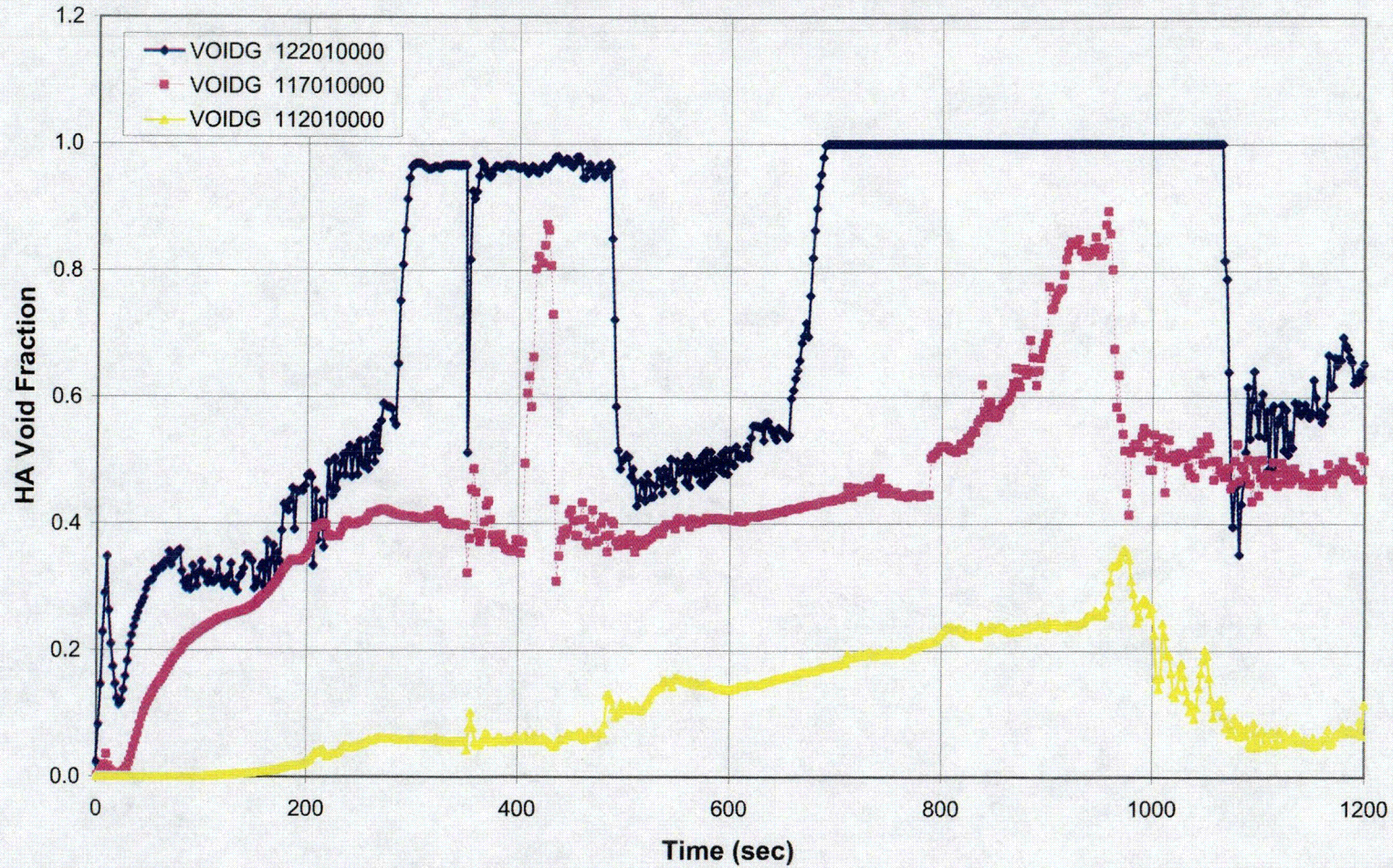


Figure H-2 Hot Assembly Region Void Fractions – 4-in Break (Only Broken Loop Seal Clears)

CPSES-1 SBLOCA D76 RSG Analysis
4-Inch Break - Only Broken Loop Seal Clears

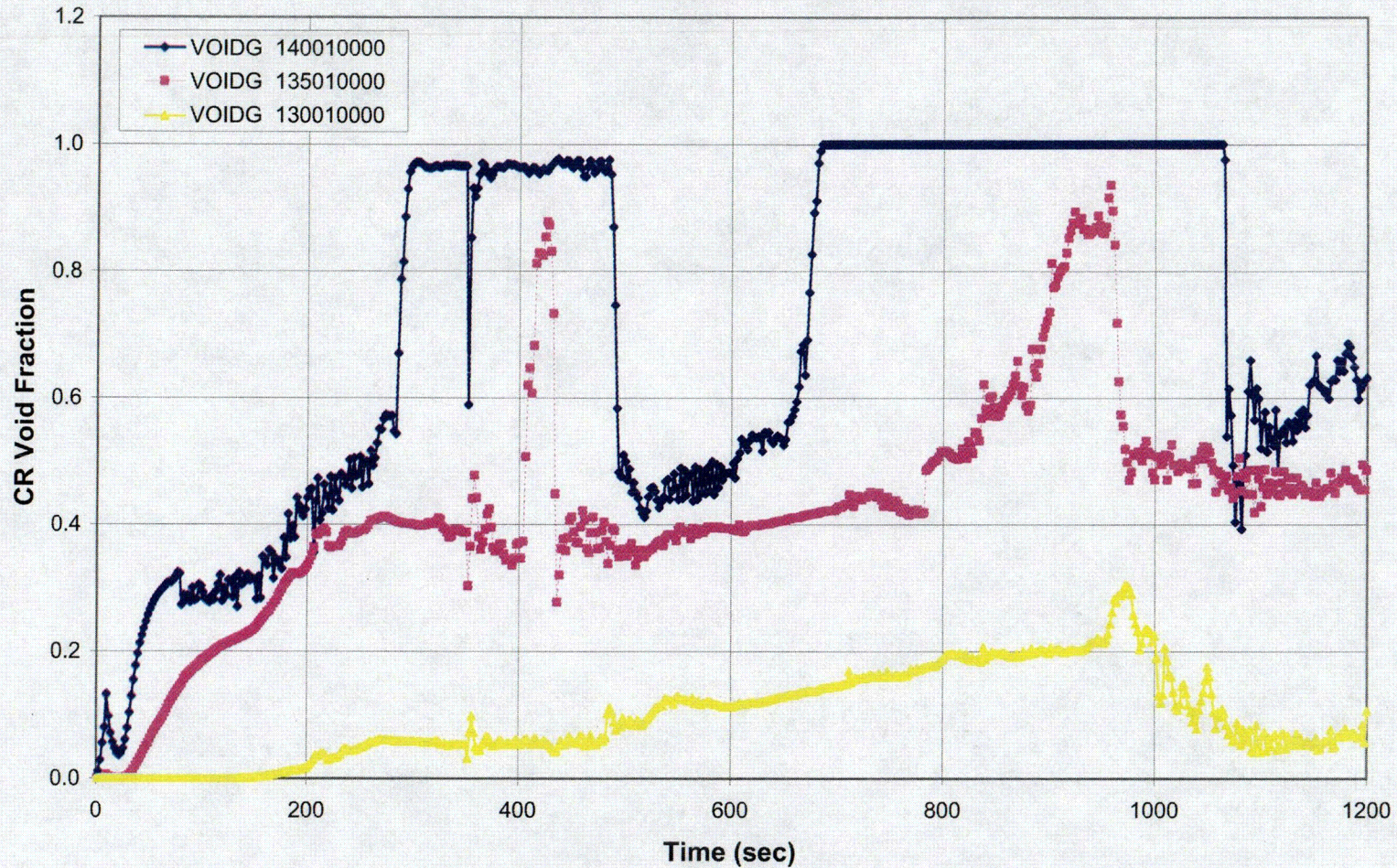


Figure H-3 Central Core Region Void Fractions – 4-in Break (Only Broken Loop Seal Clears)

C80

CPSES-1 SBLOCA D76 RSG Analysis
4-Inch Break - Only Broken Loop Seal Clears

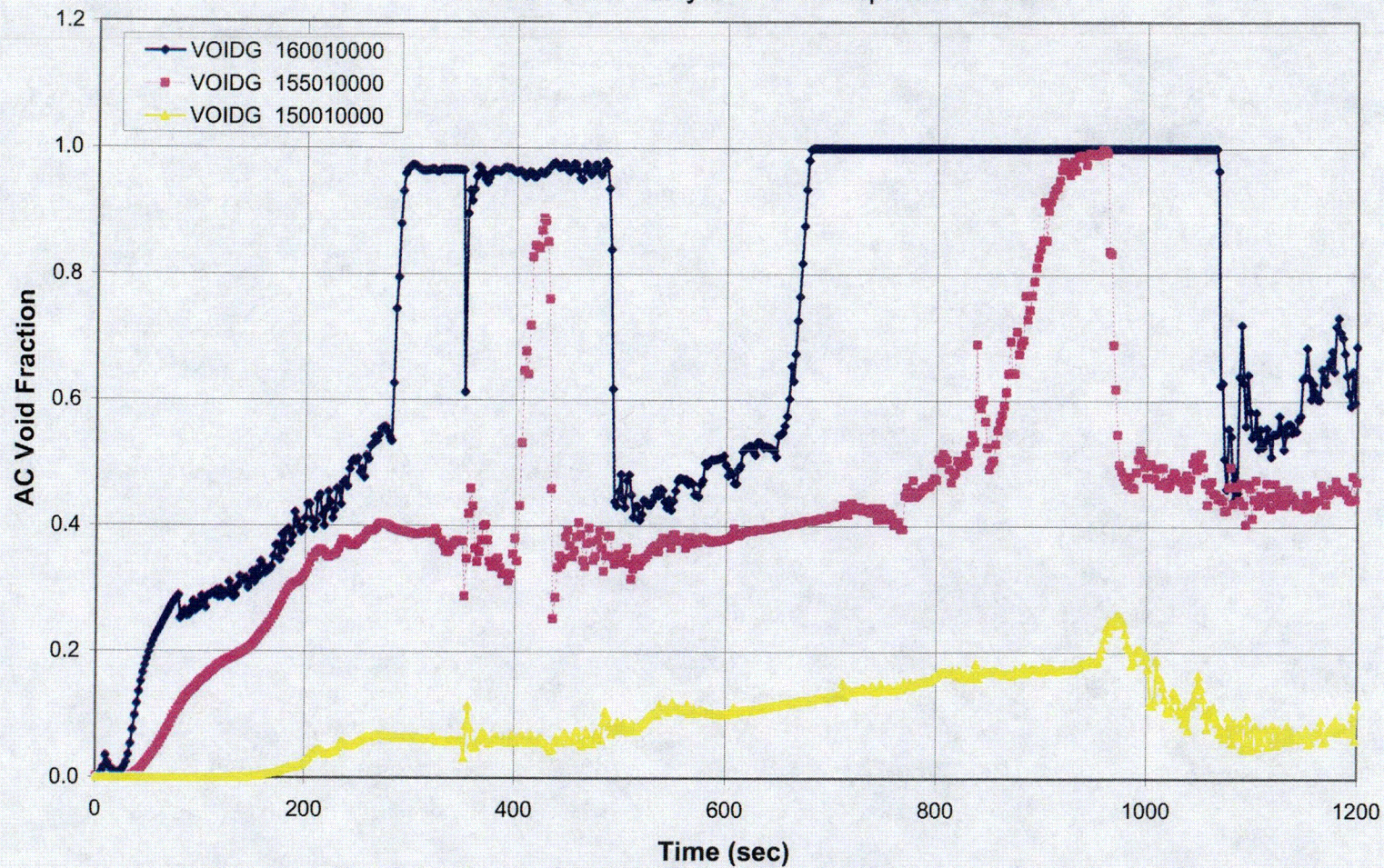


Figure H-4 Average Core Region Void Fractions – 4-in Break (Only Broken Loop Seal Clears)

081

CPSES-1 SBLOCA D76 RSG Analysis
4-Inch Break - Only Broken Loop Seal Clears

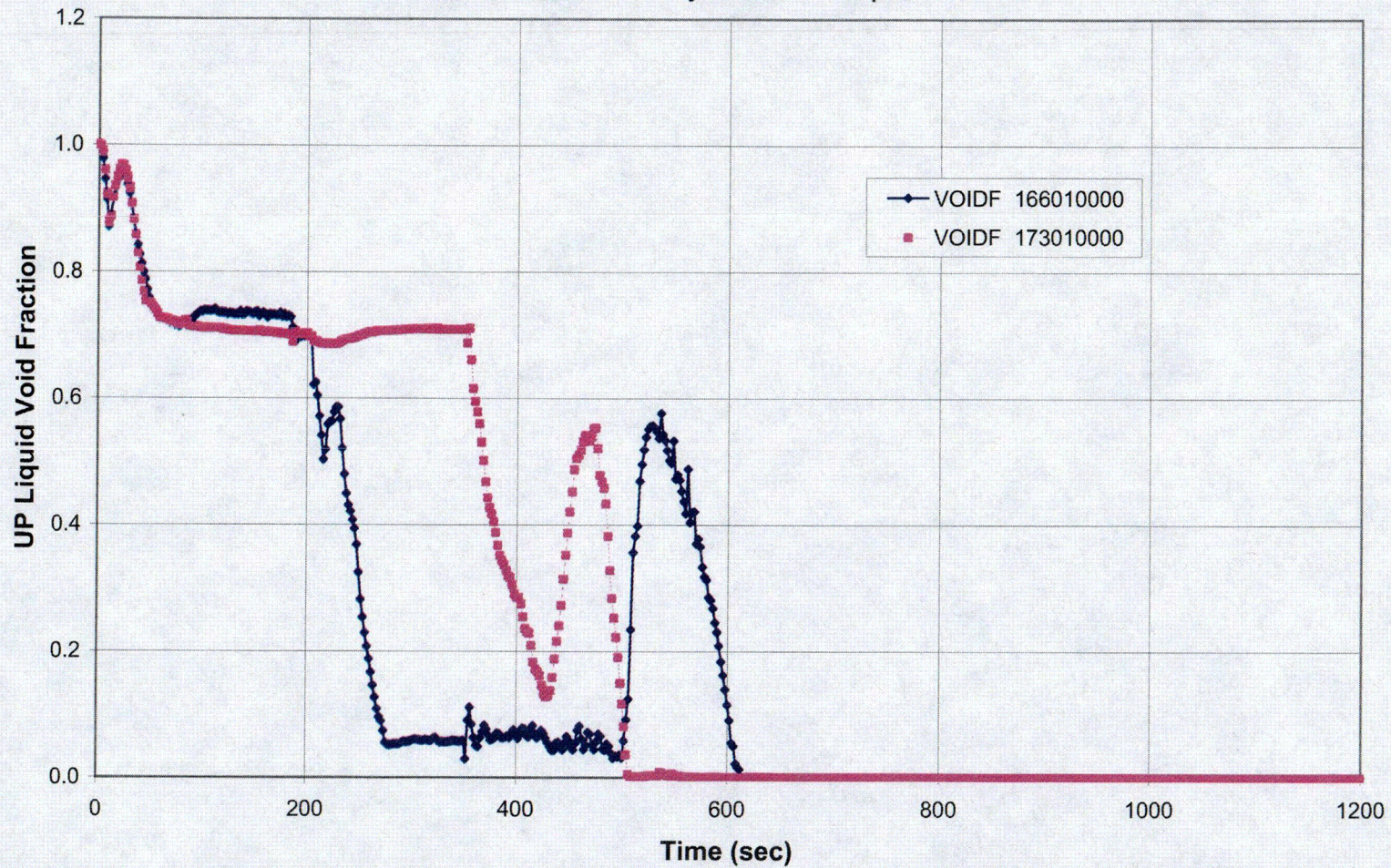


Figure H-5 Upper Plenum Liquid Fraction – 4-in Break (Only Broken Loop Seal Clears)

CAZ

CPSES-1 SBLOCA D76 RSG Analysis
4-Inch Break - Only Broken Loop Seal Clears

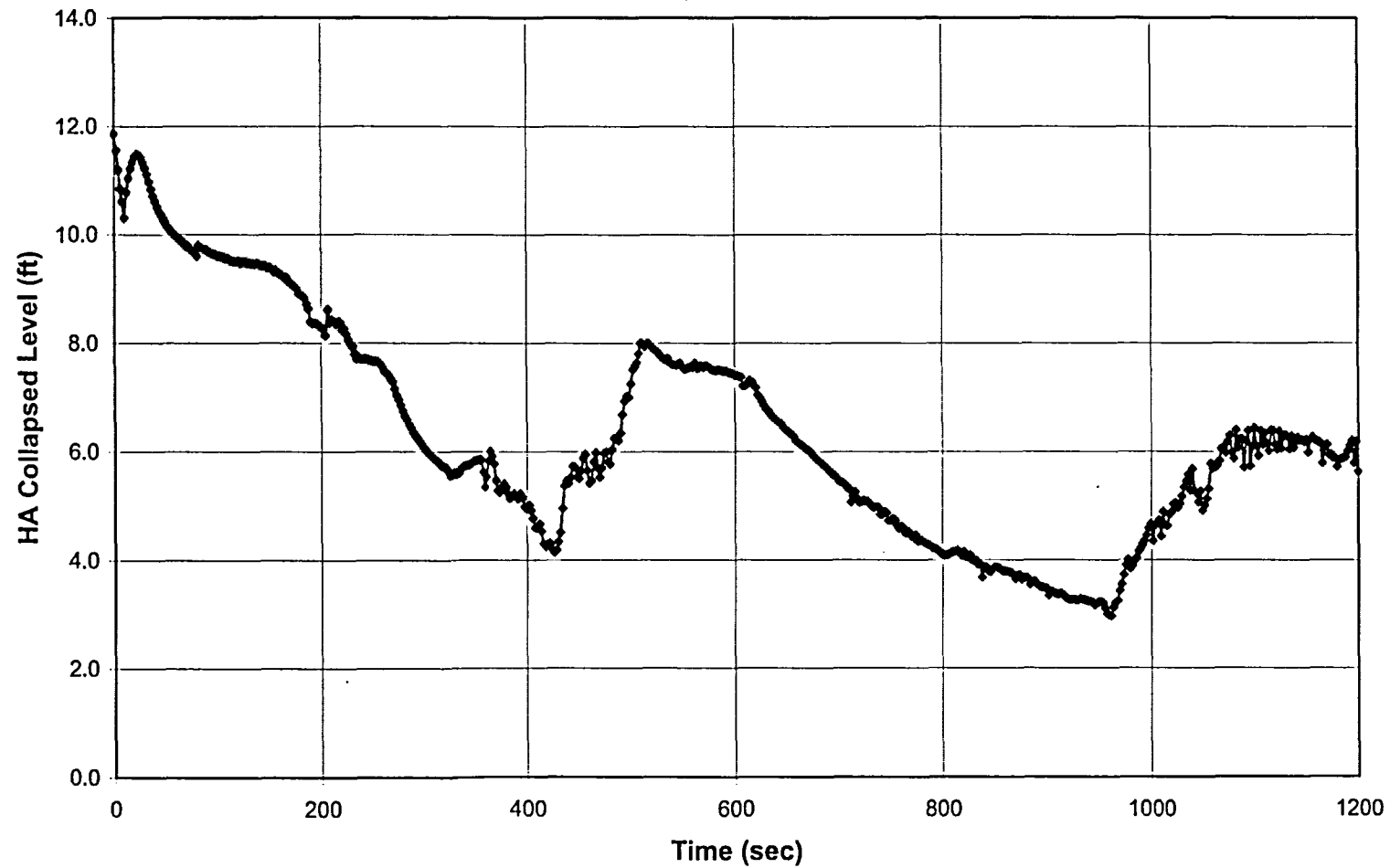


Figure H-6 Hot Assembly Collapsed Water Level – 4-in Break (Only Broken Loop Seal Clears)

CPSES-1 SBLOCA D76 RSG Analysis
4-Inch Break - Only Broken Loop Seal Clears

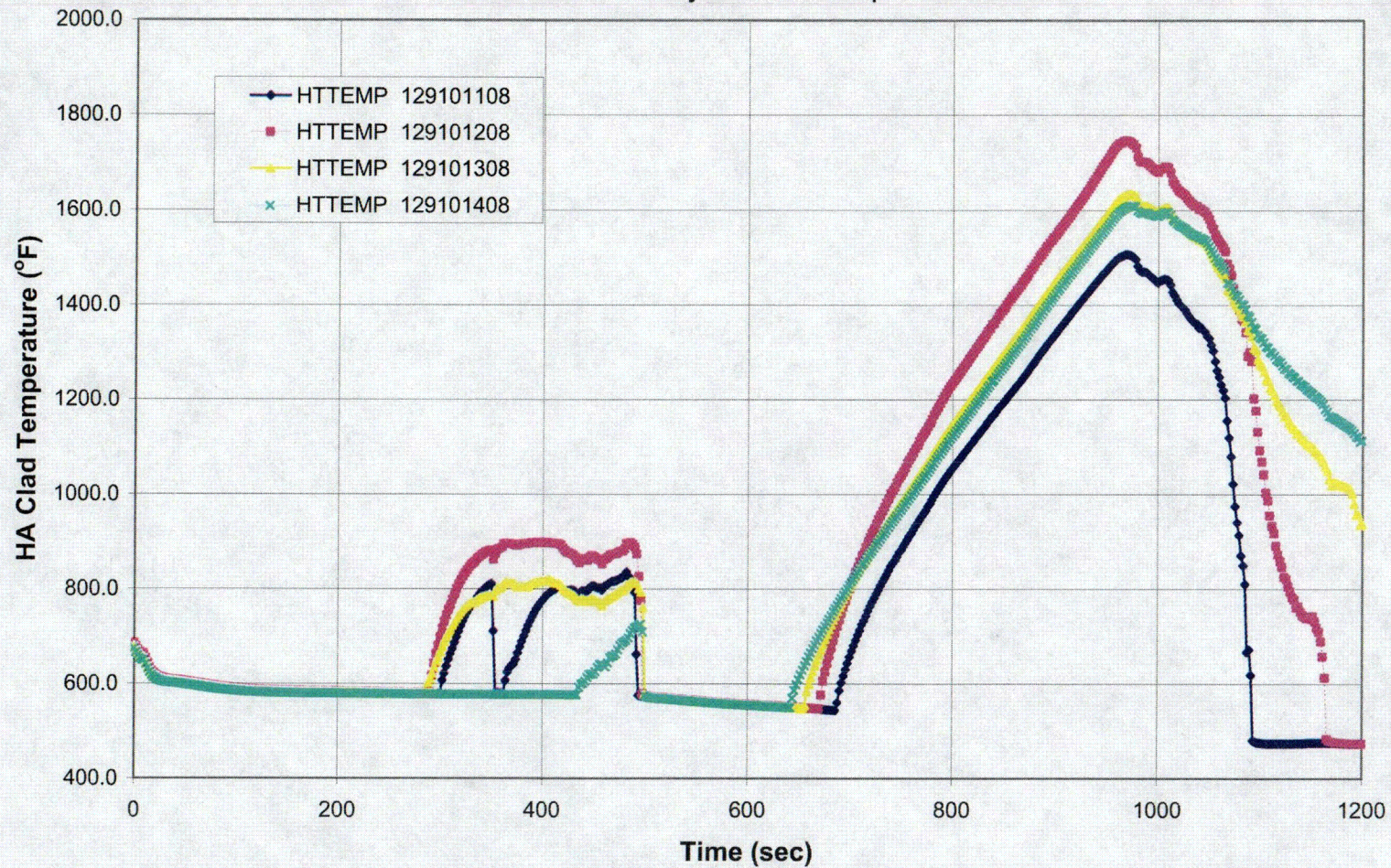


Figure H-7 Hot Assembly Clad Temperatures – 4-in Break (Only Broken Loop Seal Clears)

C03

CPSES-1 SBLOCA D76 RSG Analysis
4-Inch Break - Only Broken Loop Seal Clears

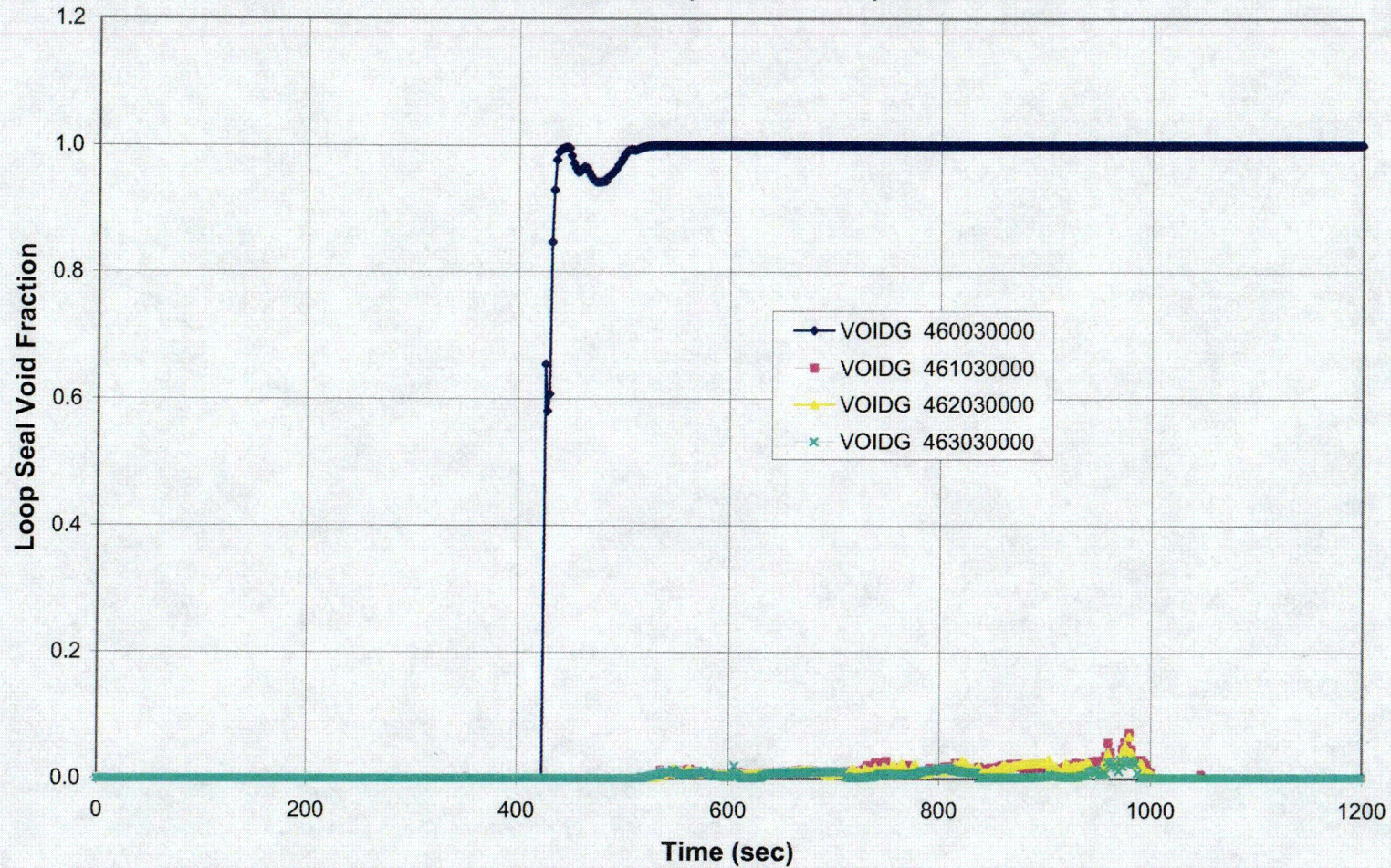


Figure H-8 Loop Seal Void Fractions – 4-in Break (Only Broken Loop Seal Clears)

C84

CPSES-1 SBLOCA D76 RSG Analysis
4-Inch Break - Only Broken Loop Seal Clears

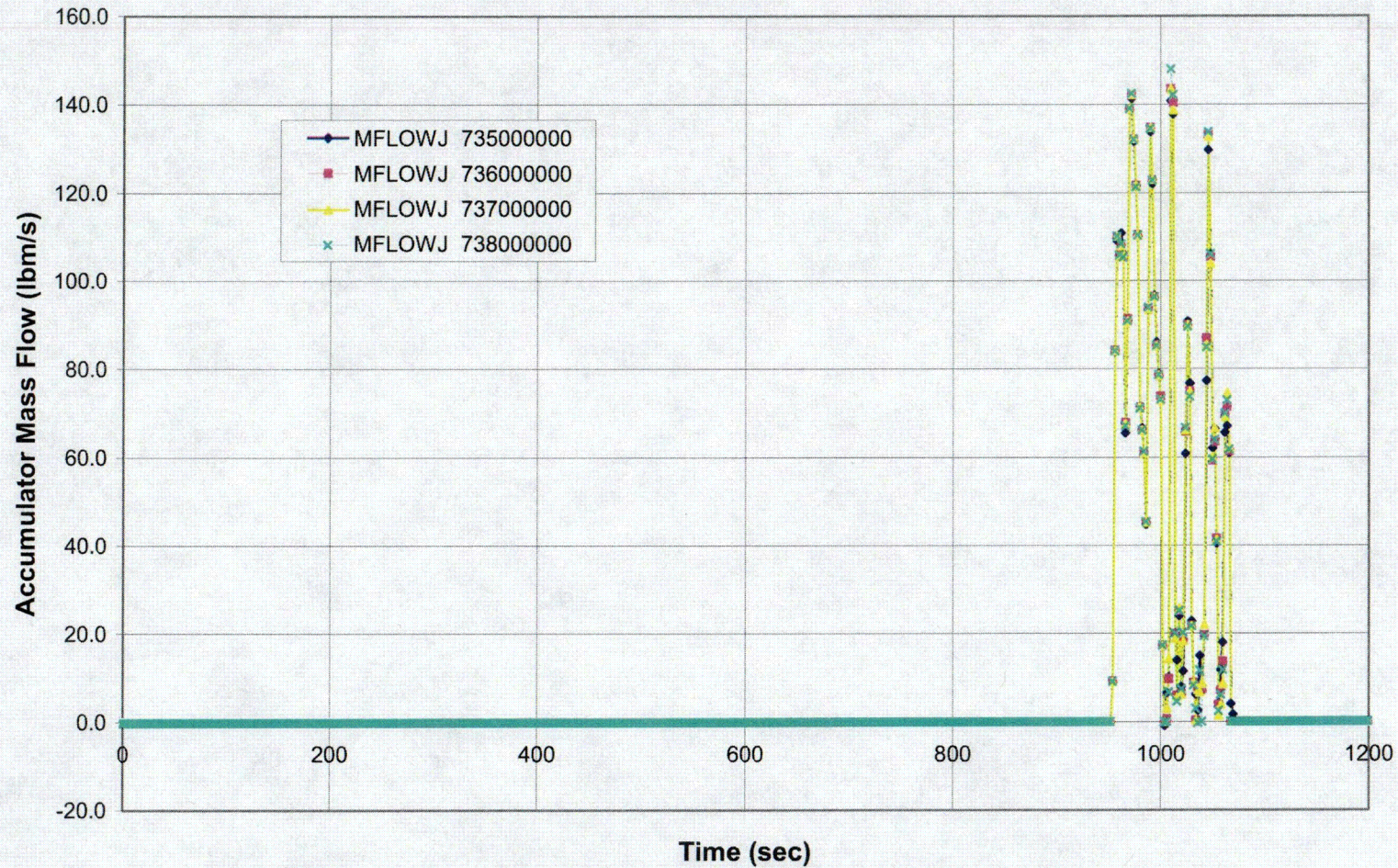


Figure H-9 Accumulator Mass Flow Rates – 4-in Break (Only Broken Loop Seal Clears)