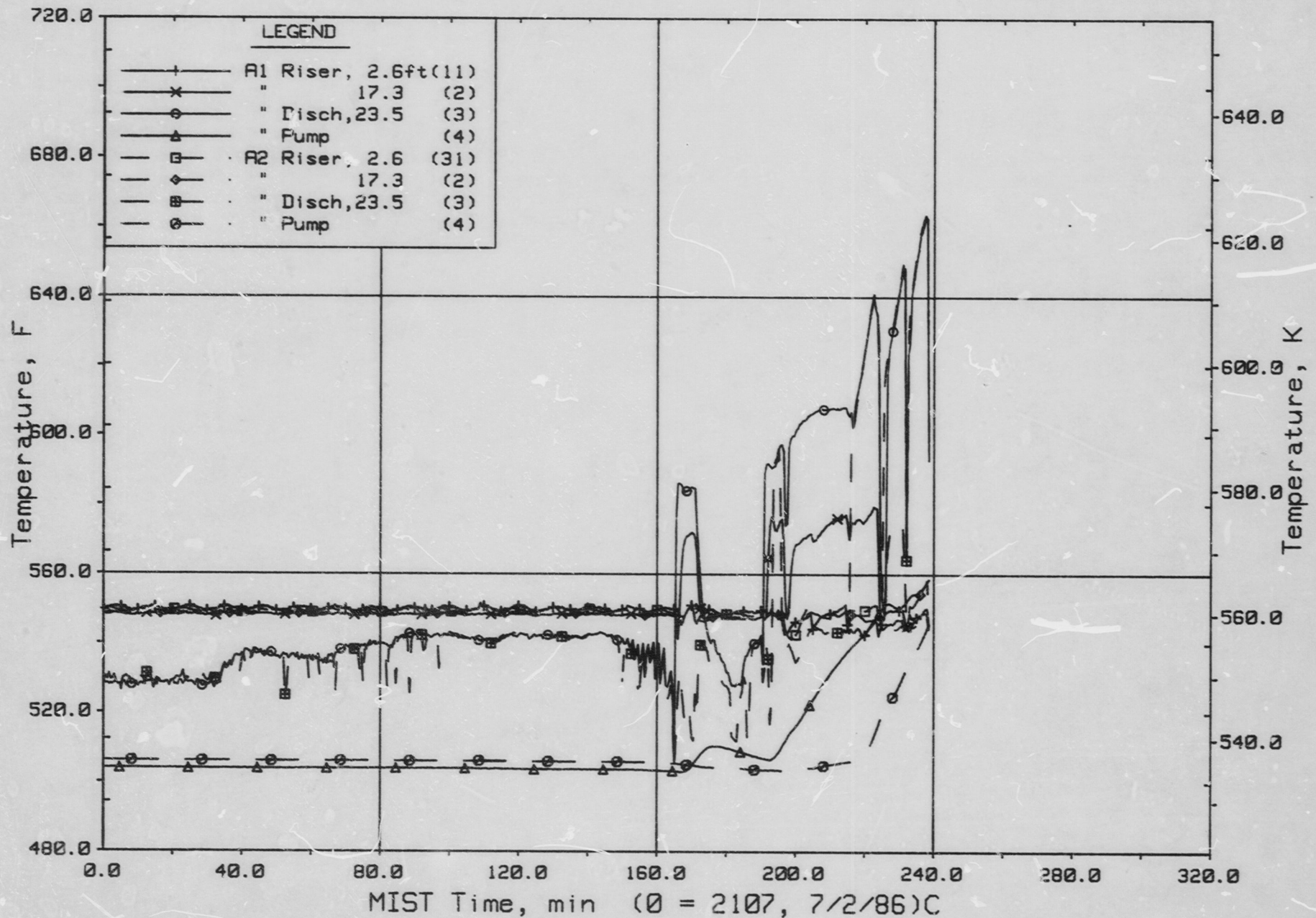


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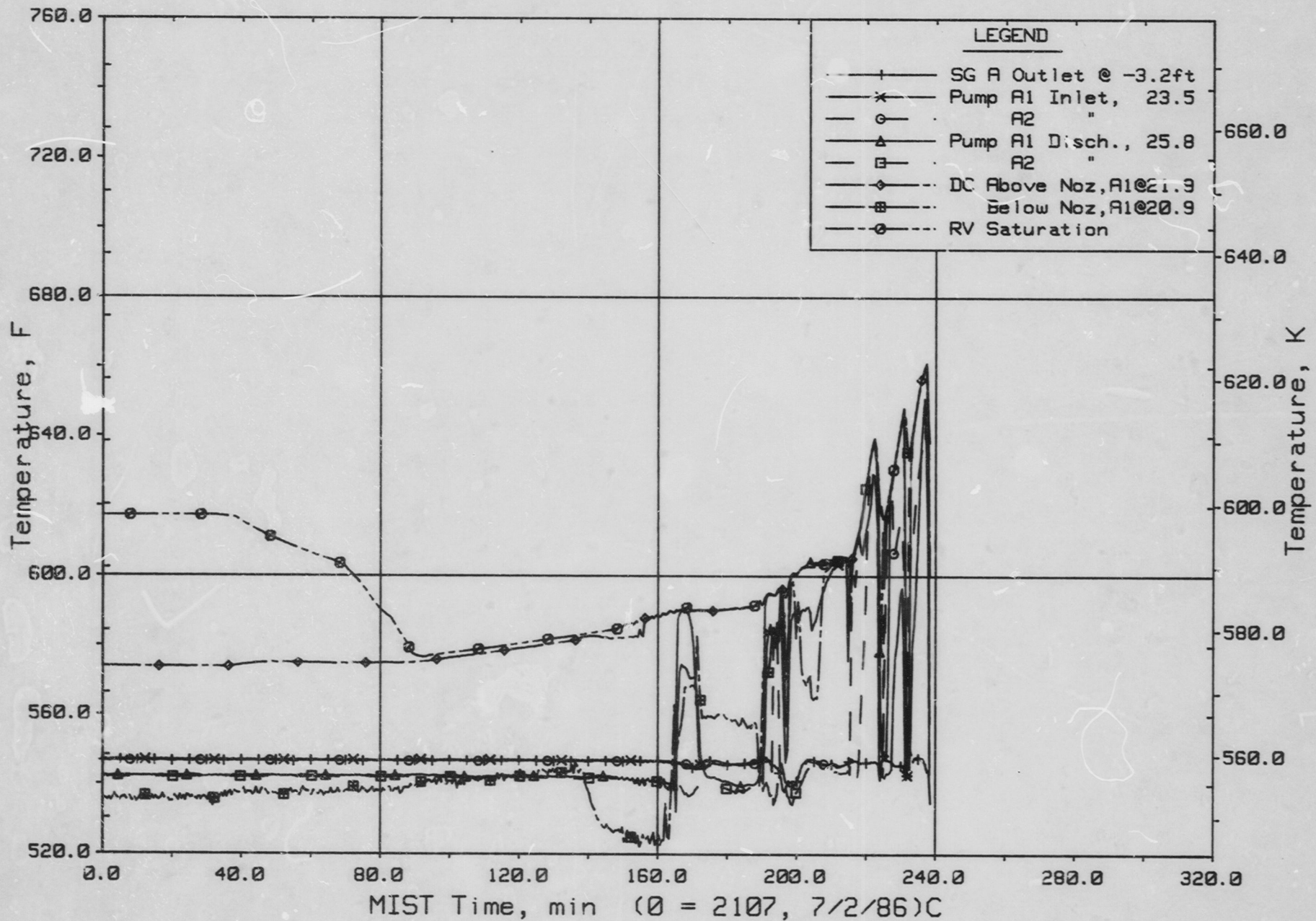
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Loop A Cold Leg Metal Temperatures (C1,3MTs).

FINAL DATA

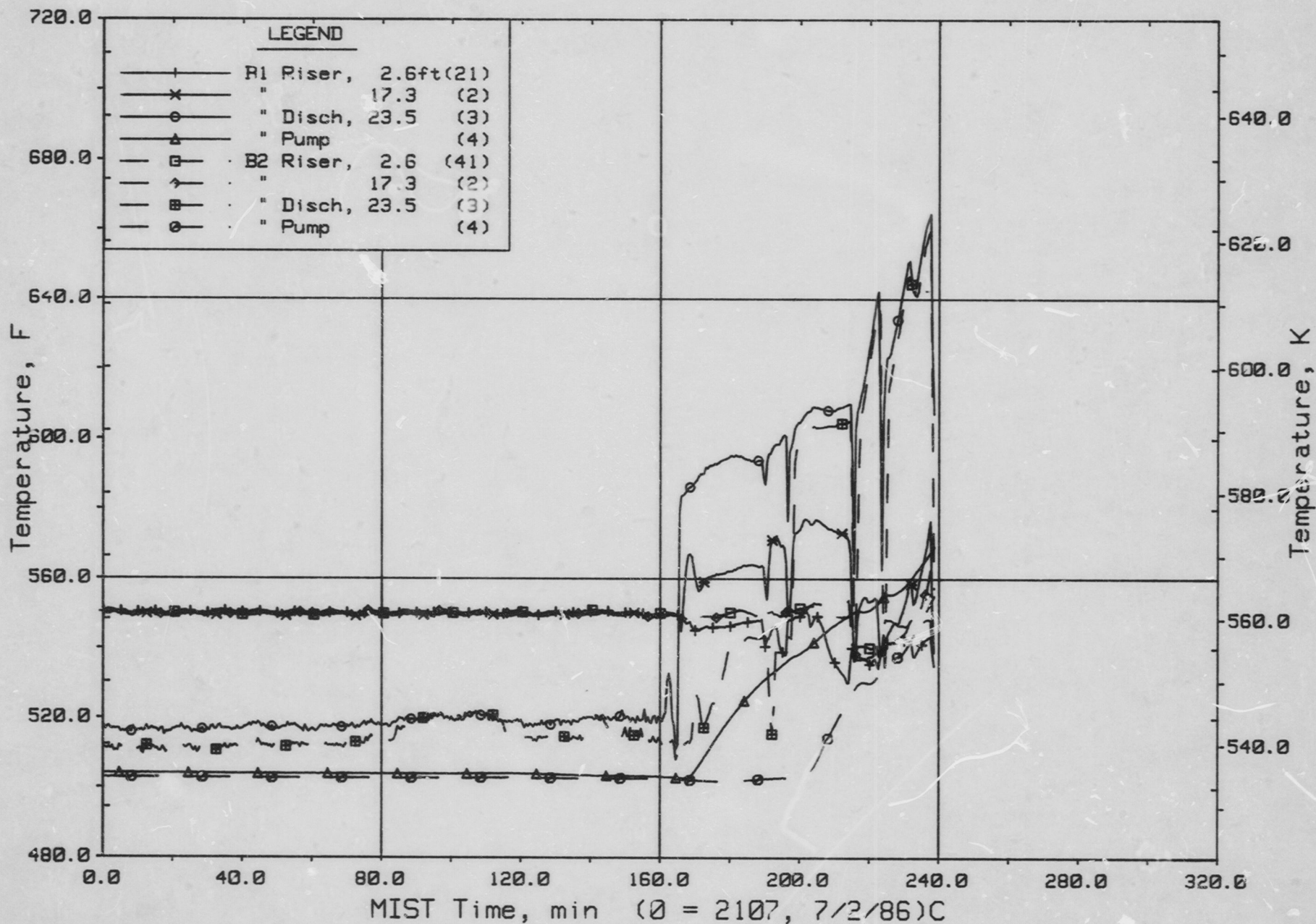
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Loop A Cold Leg Fluid Temperatures (RTDs).

FINAL DATA

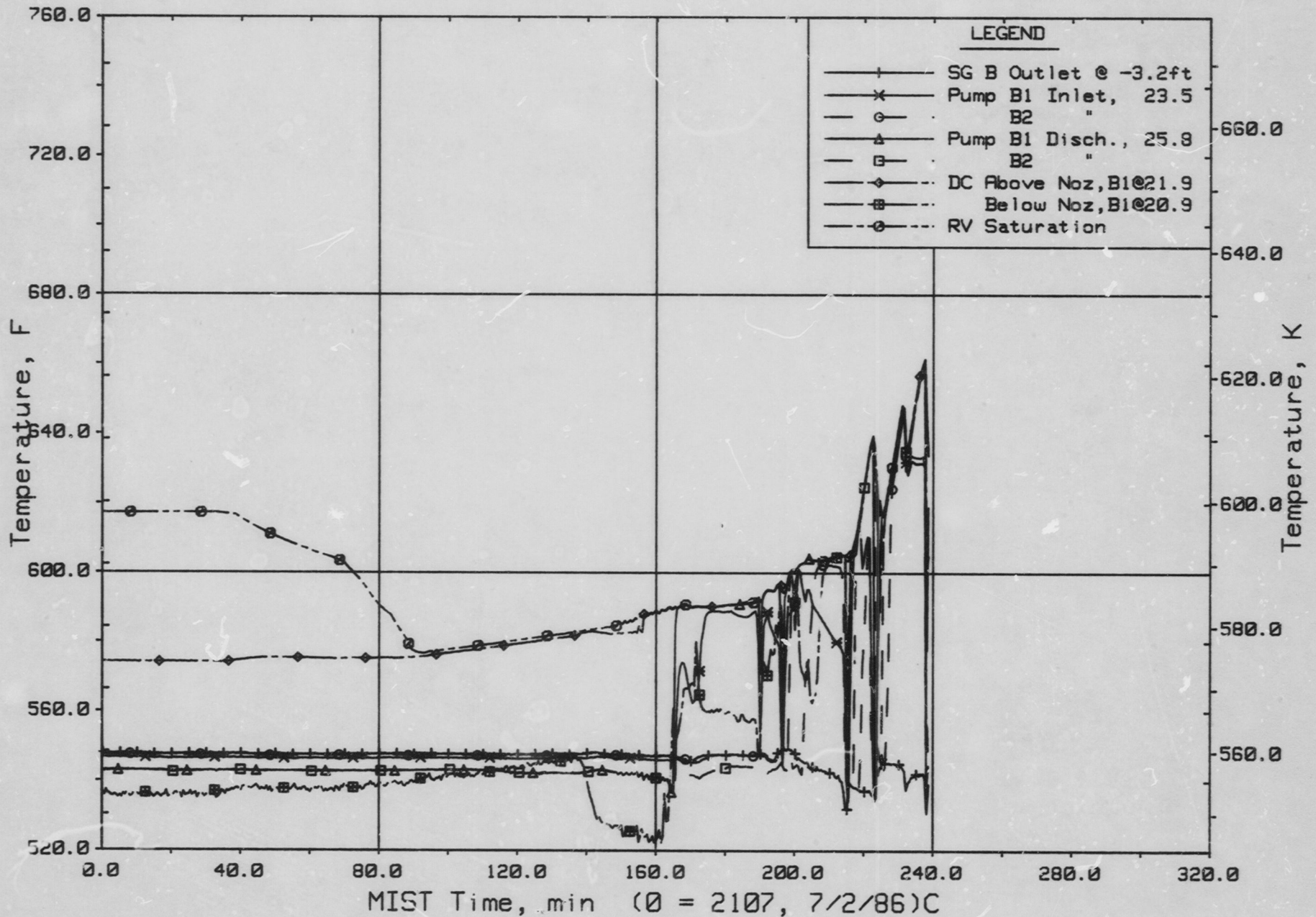
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Loop B Cold Leg Metal Temperatures (C2, 4MTs).

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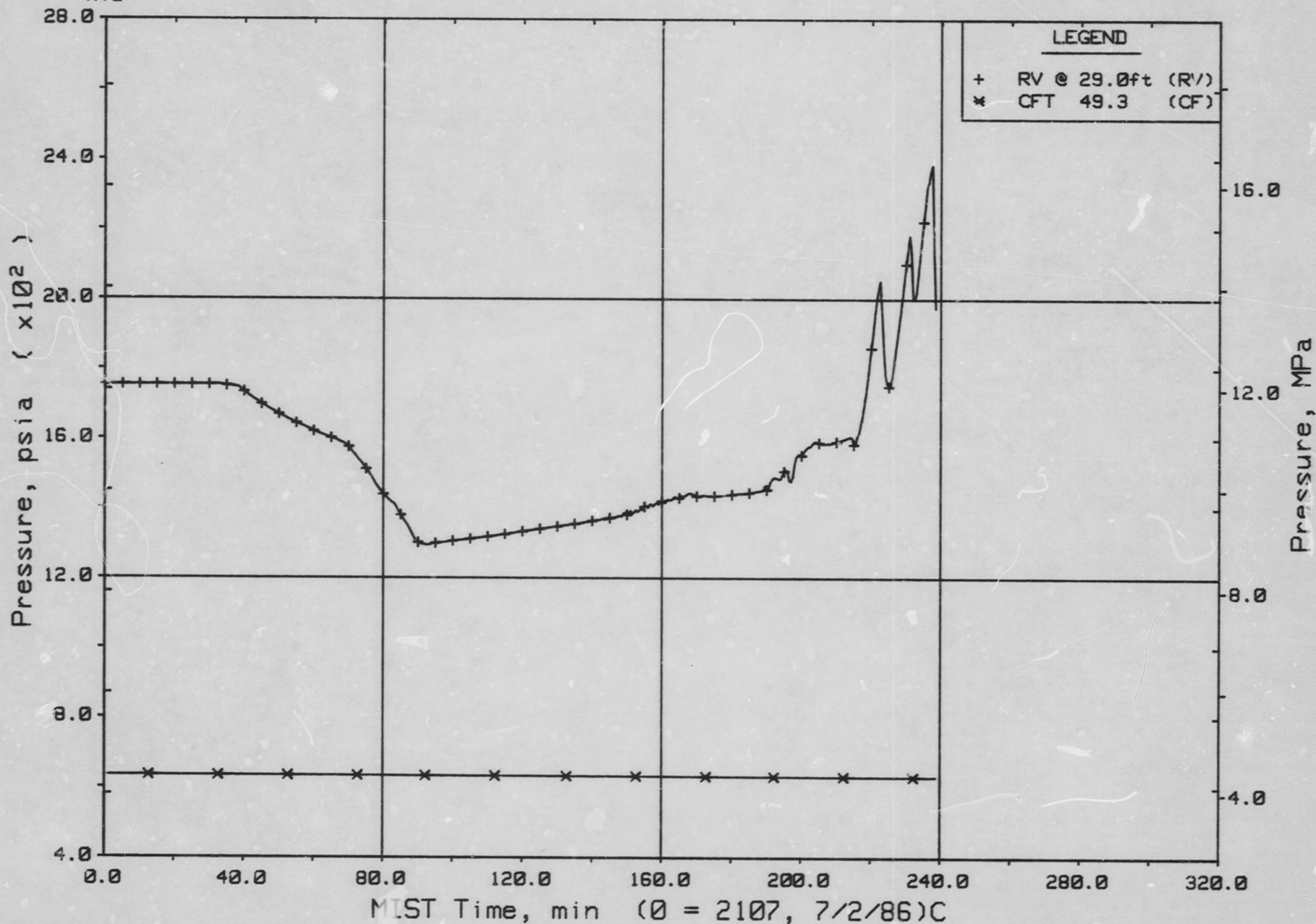
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Loop B Cold Leg Fluid Temperatures (RTDs).

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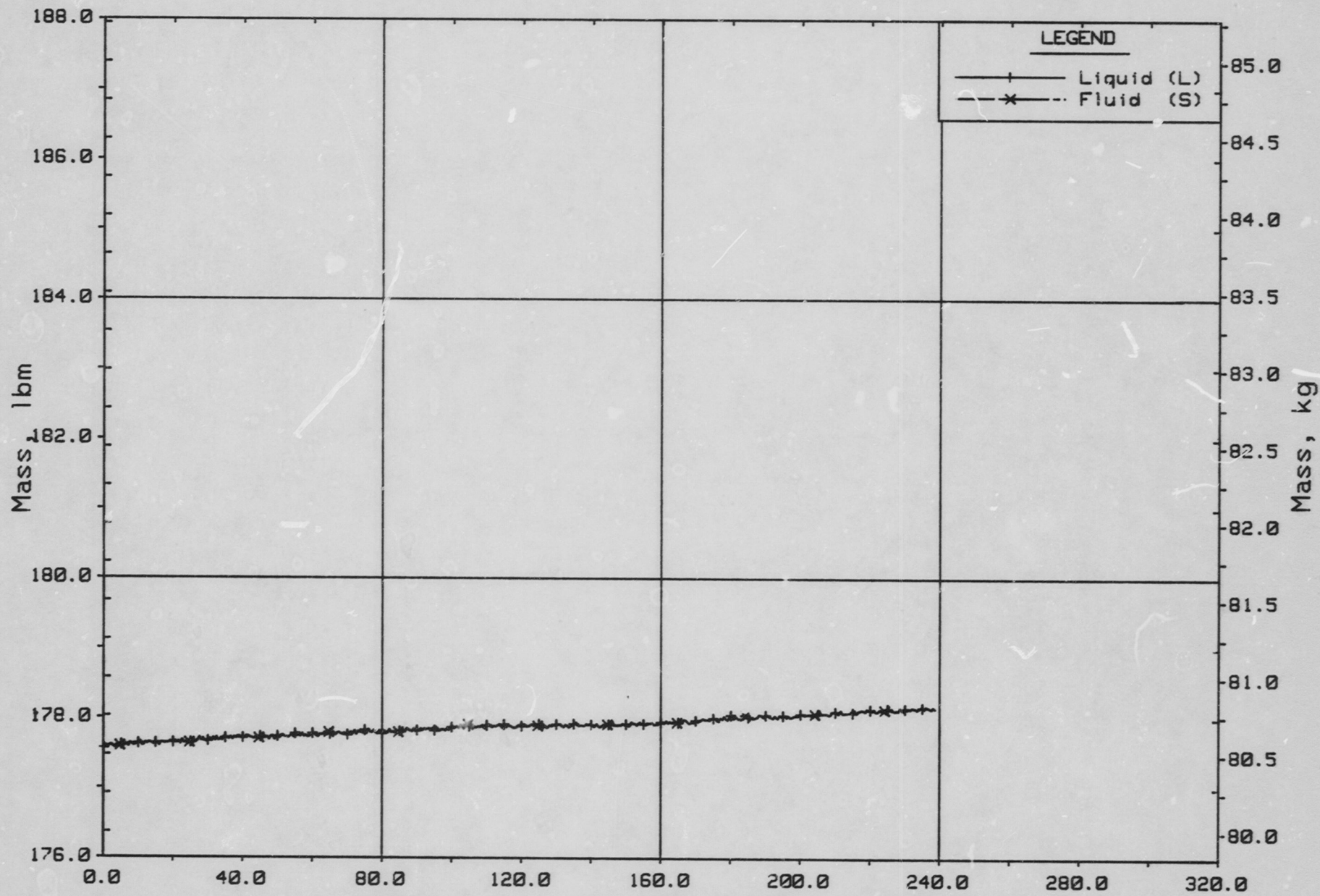
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Primary System and Core Flood Tank Pressures (GPO1s).

FINAL DATA

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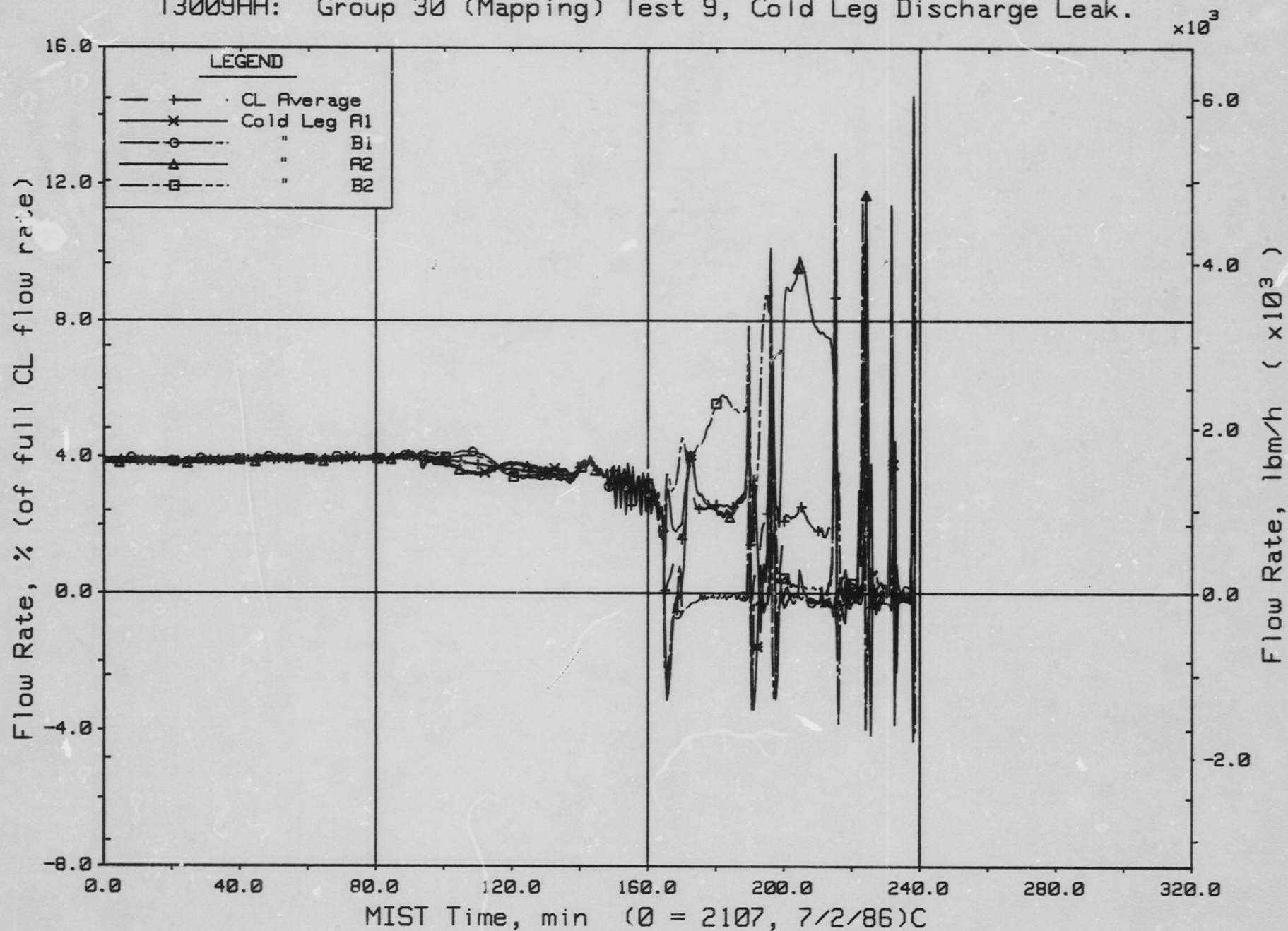


MIST Time, min ($\emptyset = 2107, 7/2/86$)C

Core Flood Tank Liquid and Fluid Mass (CFMa20s).

FINAL DATA

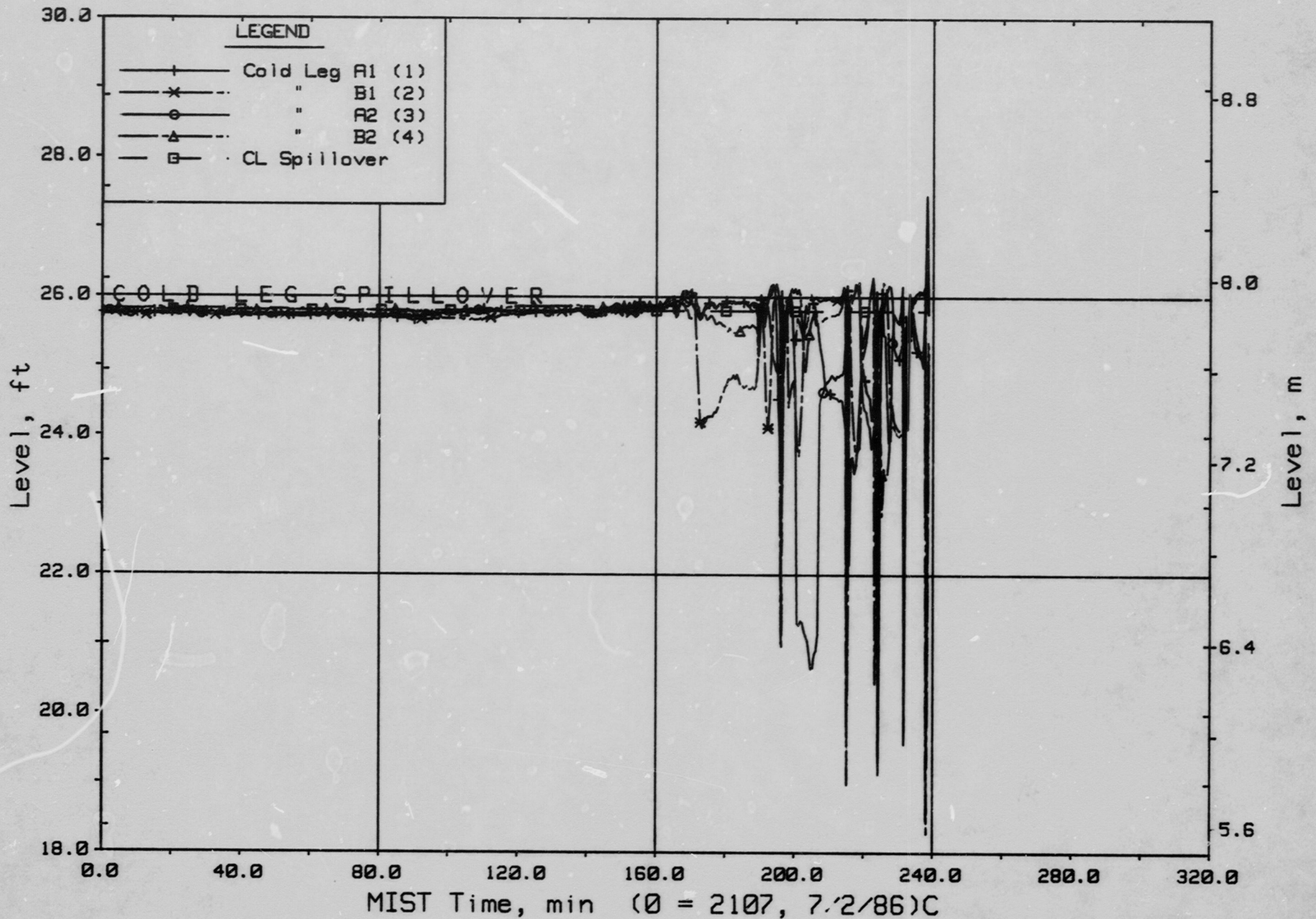
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Cold Leg (Venturi) Flow Rates.

FINAL DATA

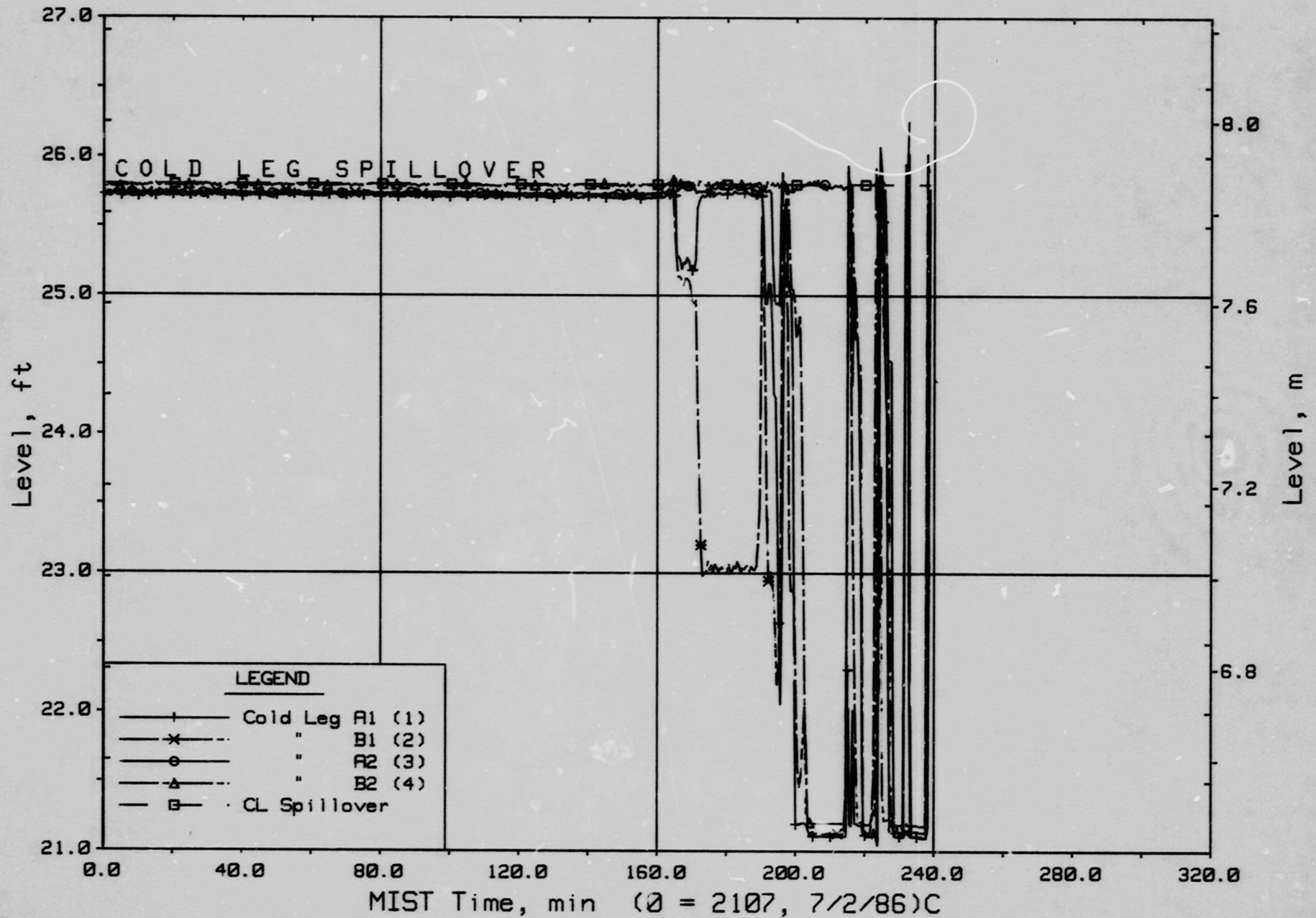
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Cold Leg Suction Collapsed Liquid Levels (CnLV22s).

FINAL DATA

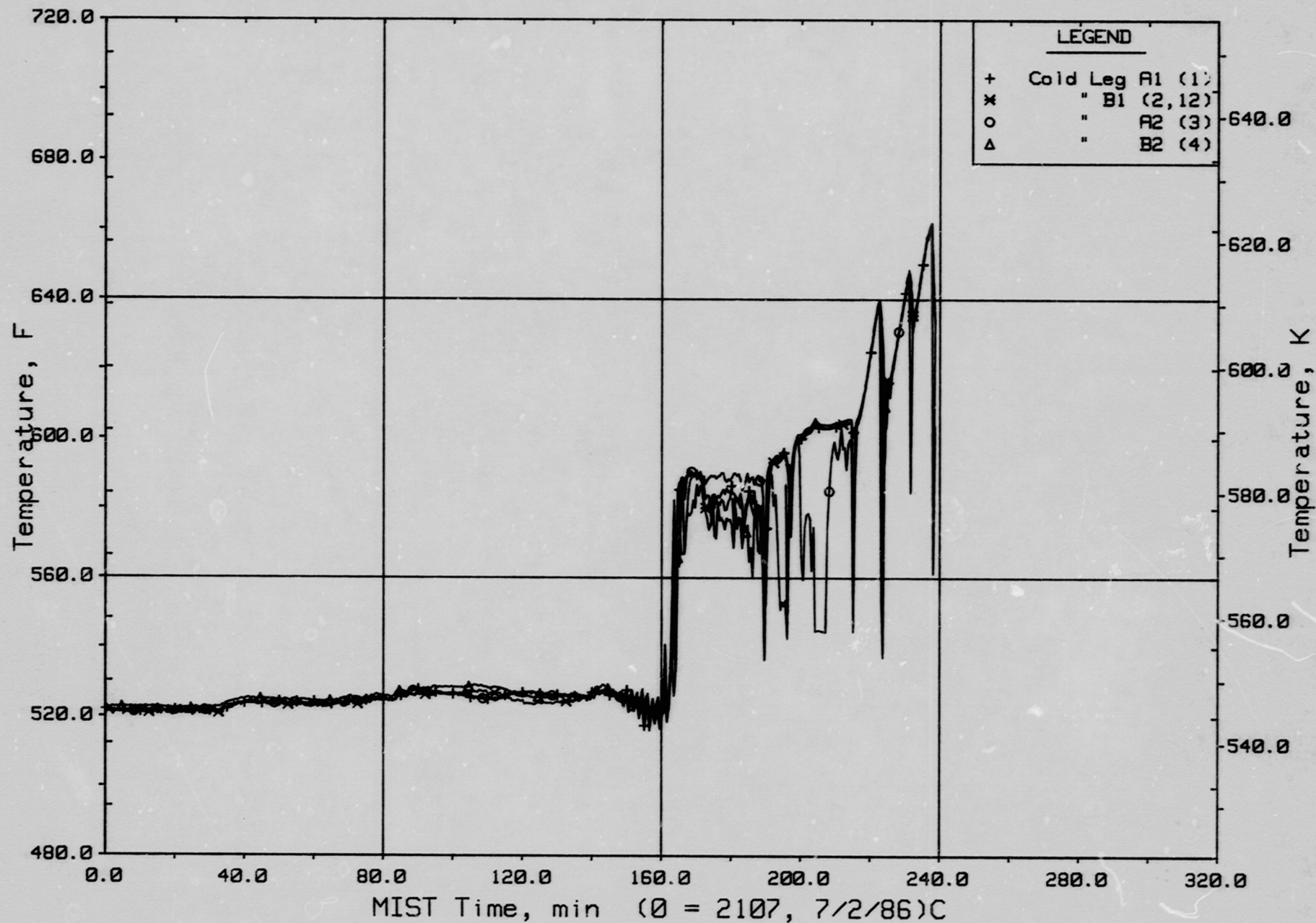
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Cold Leg Discharge Collapsed Liquid Levels (CnLV23s).

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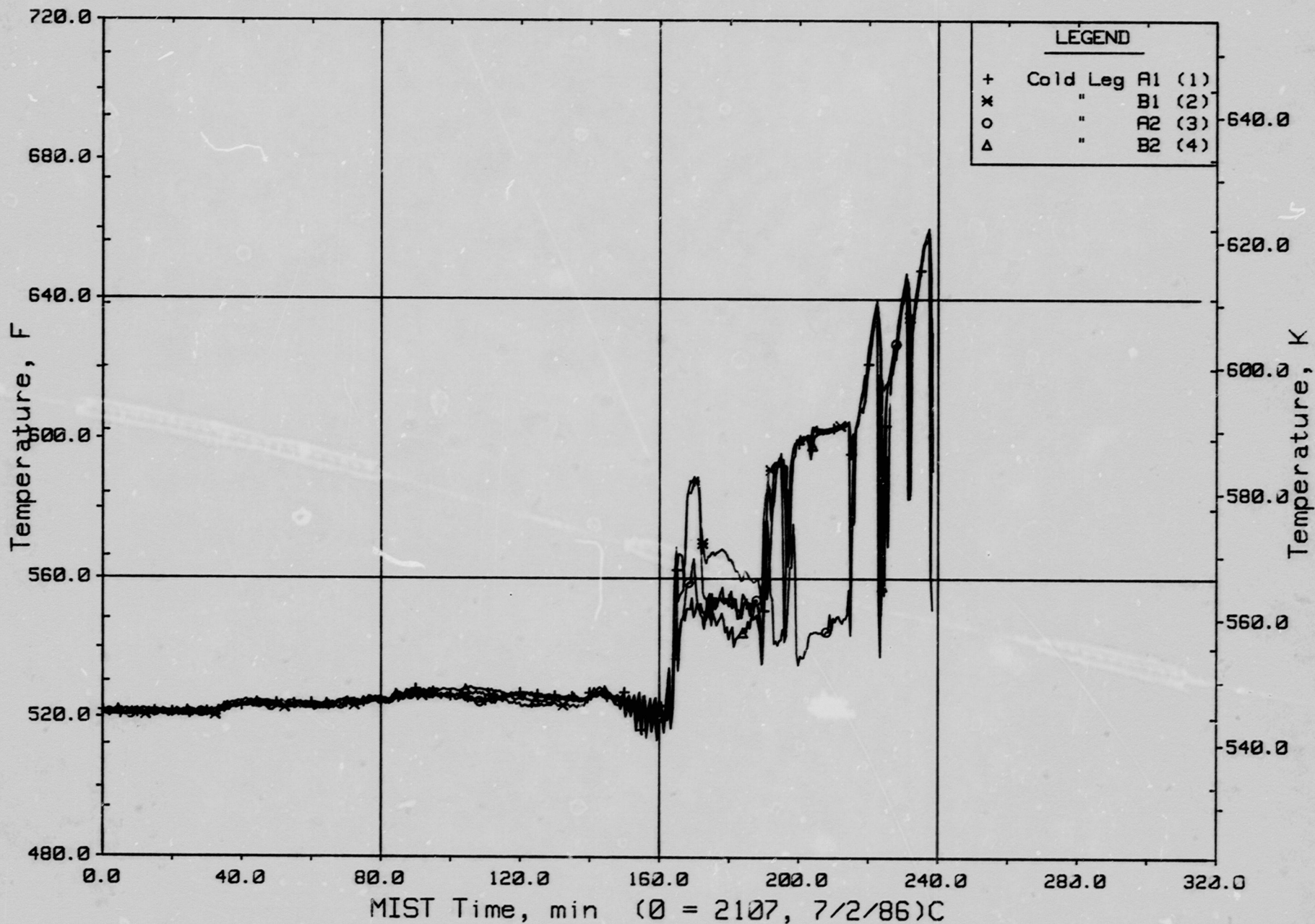
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Cold Leg Nozzle Fluid Temperatures, Top of Rake (21.3ft, CnTC11s).

FINAL DATA

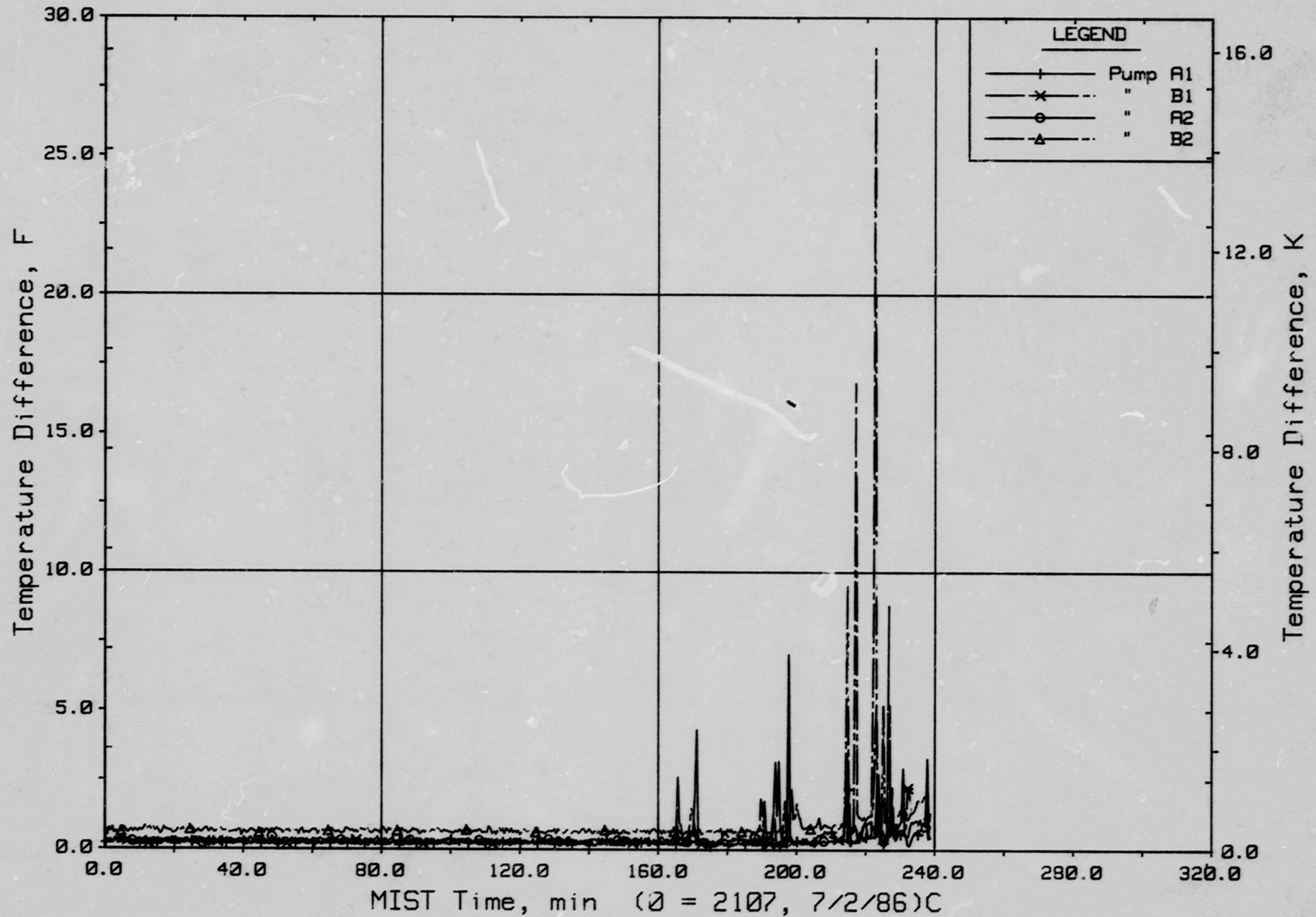
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Cold Leg Nozzle Fluid Temperatures, Bottom of Rake (21.2ft, CnTC14s).

FINAL DATA

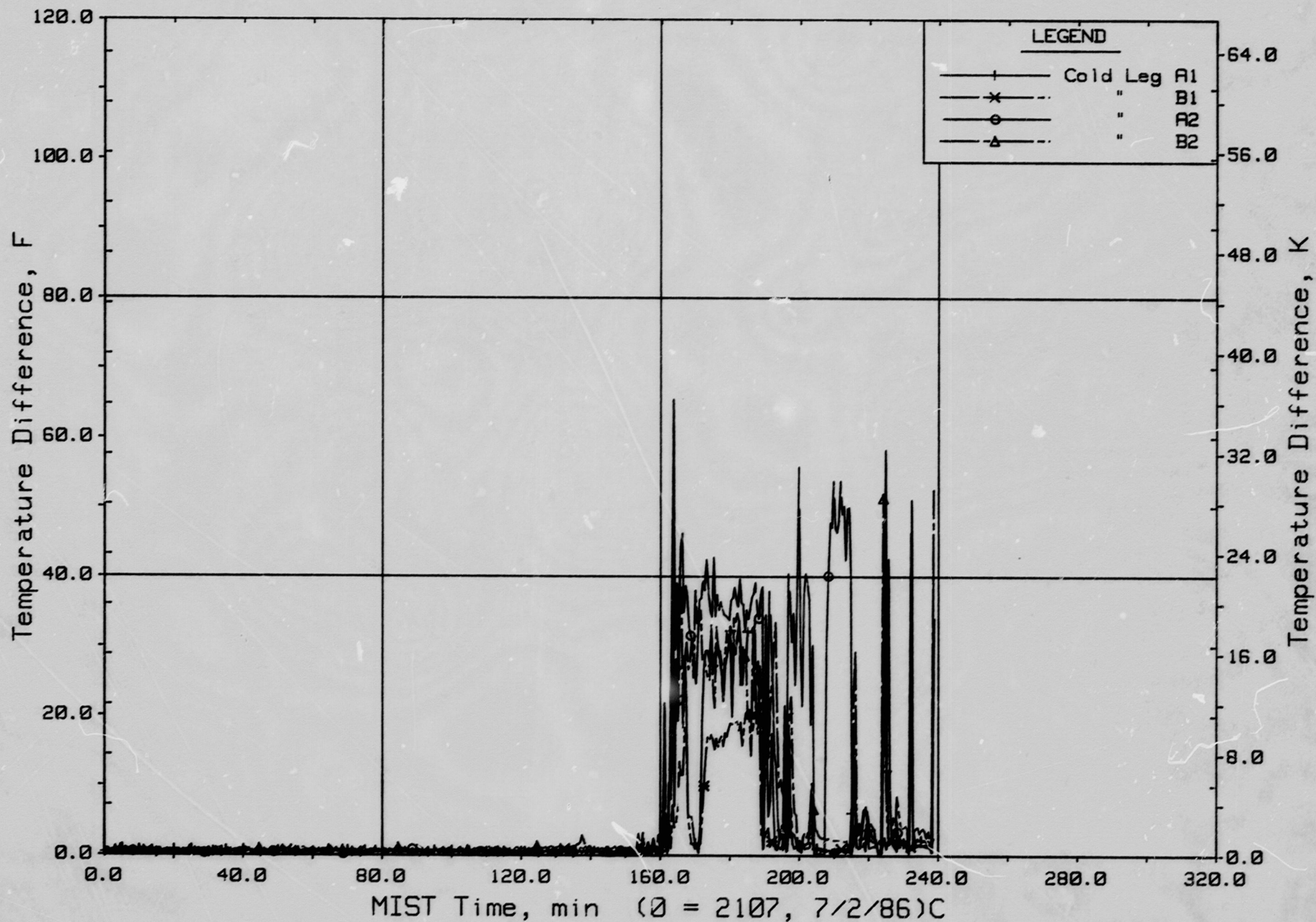
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Maximum Differences Among RCP Rake FLuid Temperatures.

FINAL DATA

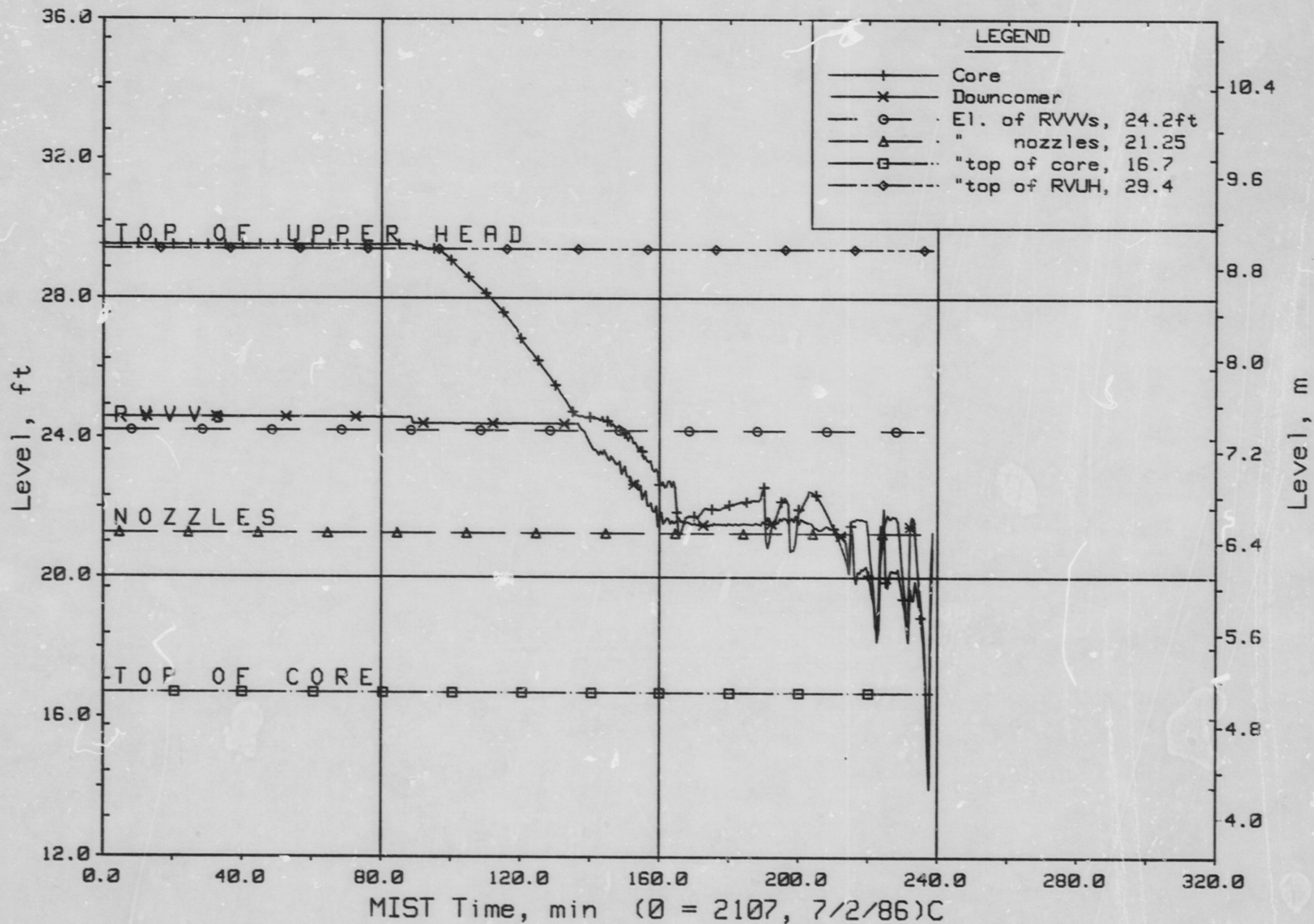
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Maximum Differences Among CL Nozzle Rake Fluid Temperatures.

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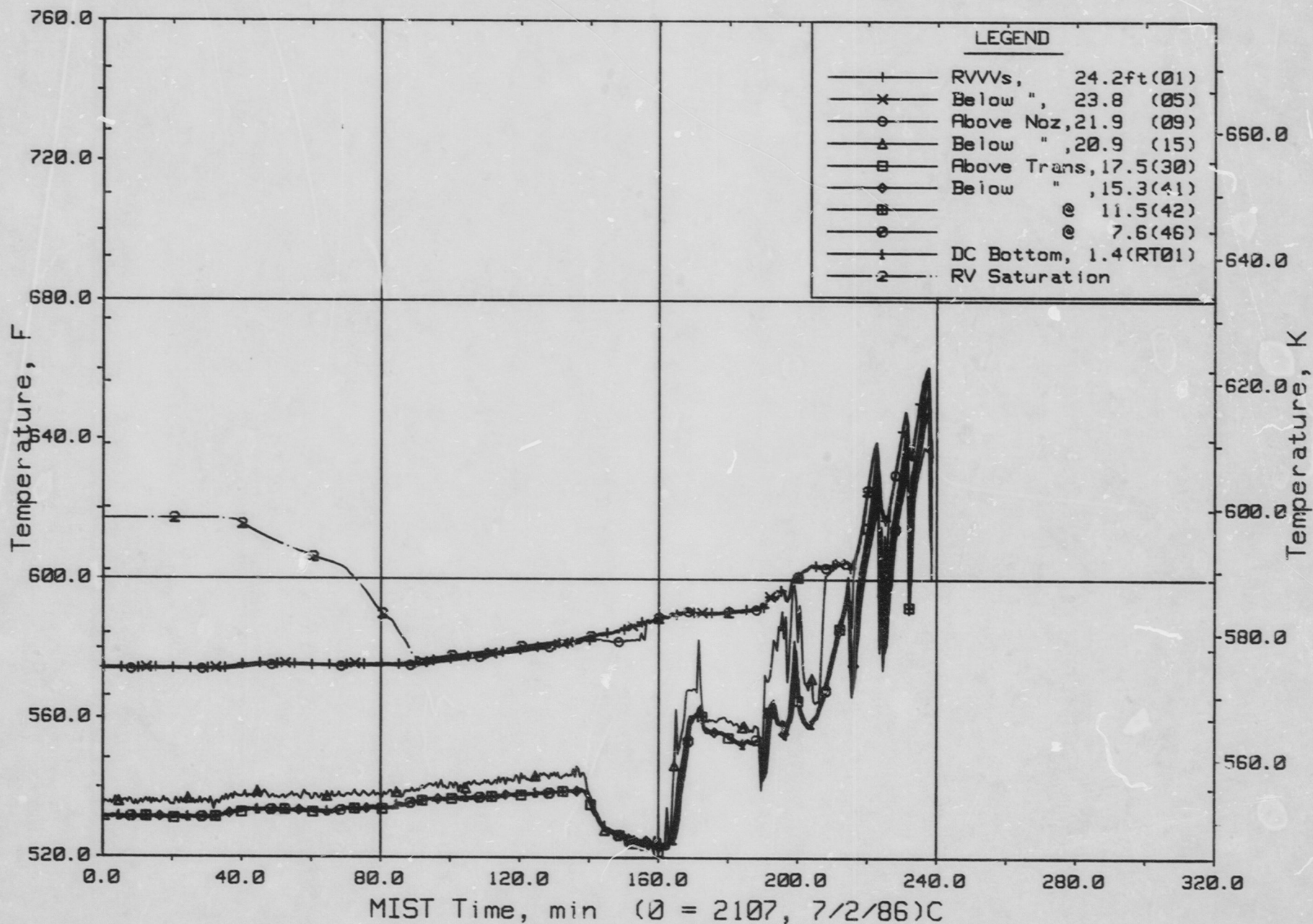
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Core Region Collapsed Liquid Levels.

FINAL DATA

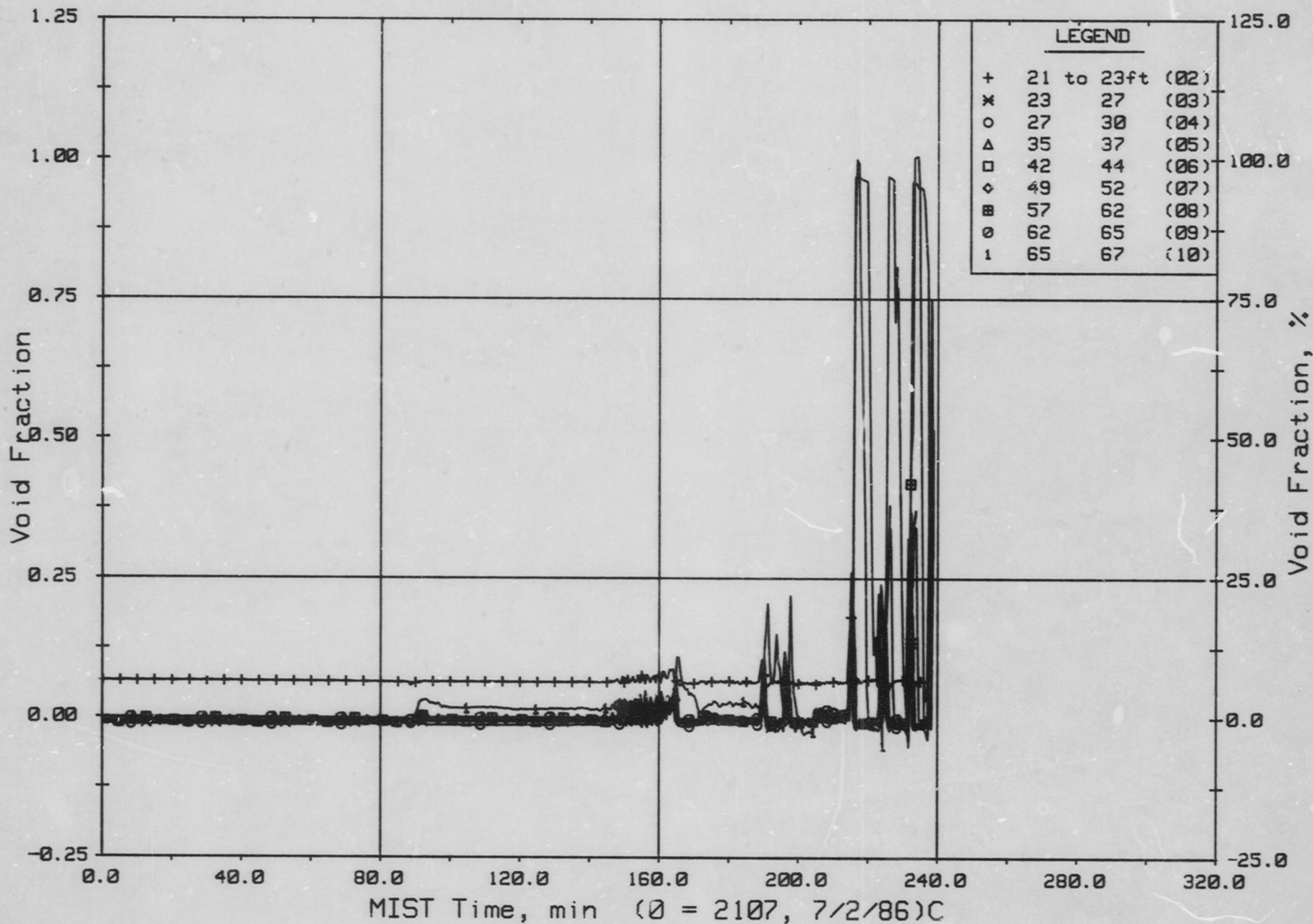
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Downcomer Quadrant A1 Fluid Temperatures (DCTCs).

FINAL DATA

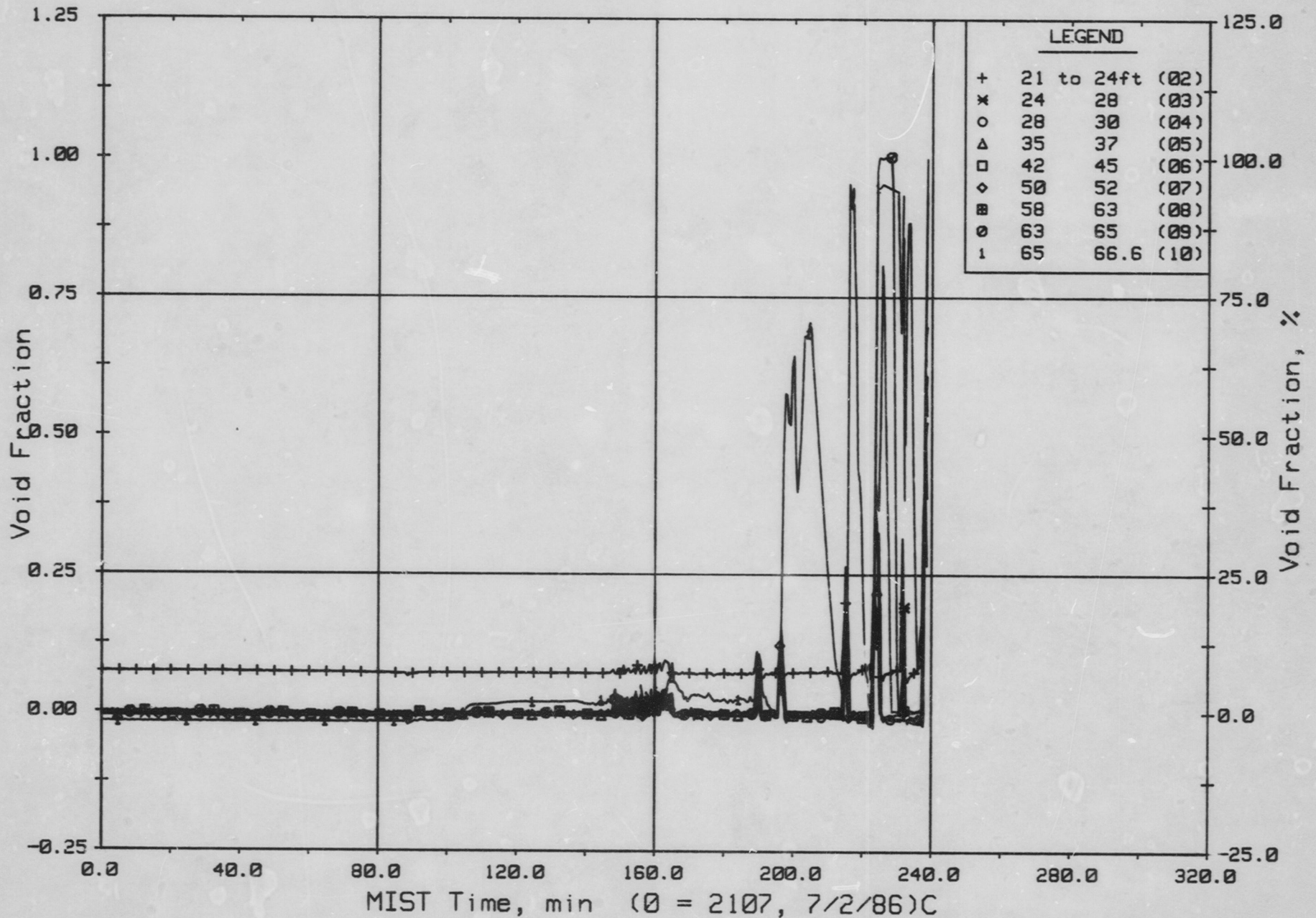
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Hot Leg A Riser Void Fractions From Differential Pressures (HIVFs).

FINAL DATA

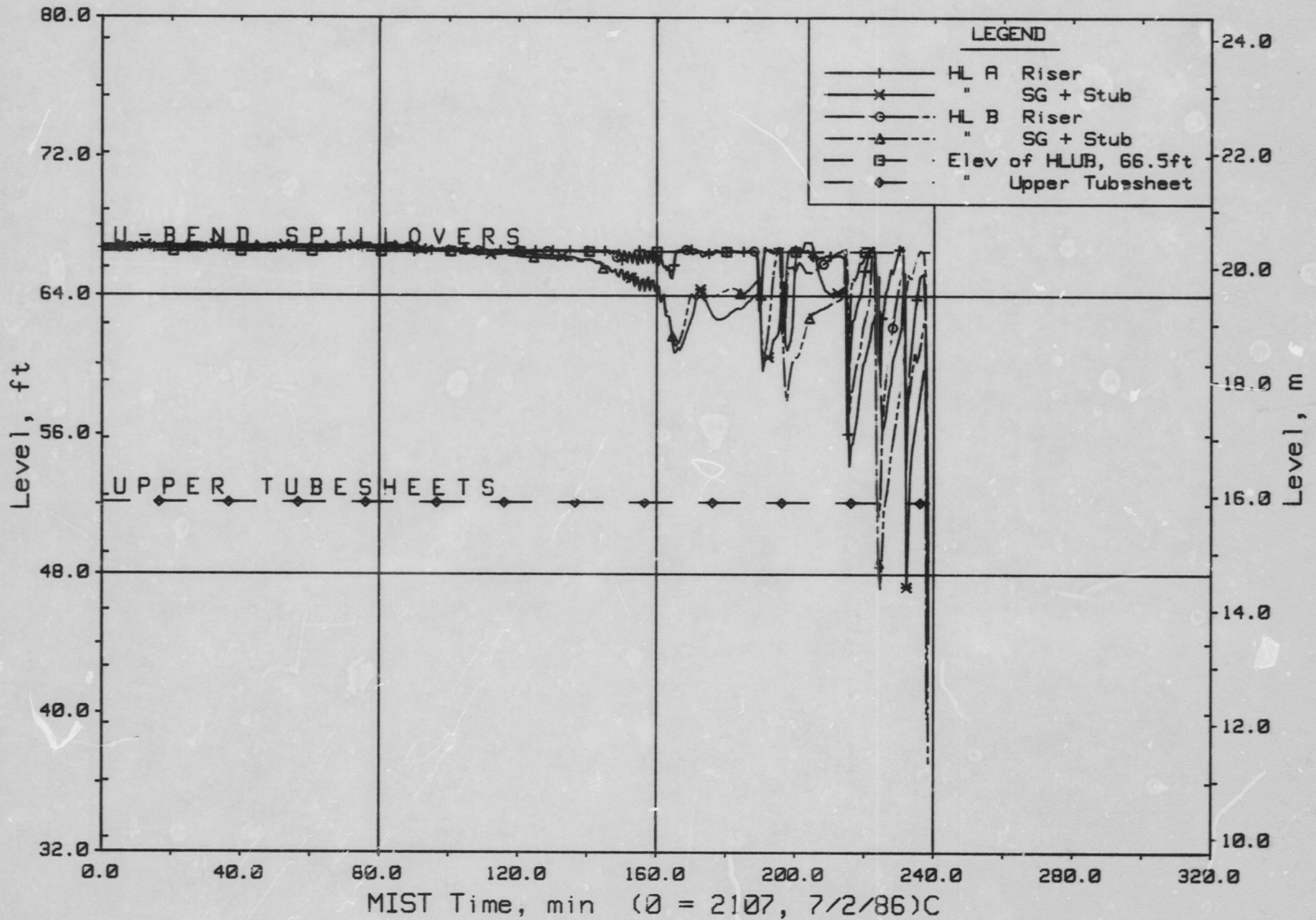
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Hot Leg B Riser Void Fraction From Differential Pressures (H2VFs).

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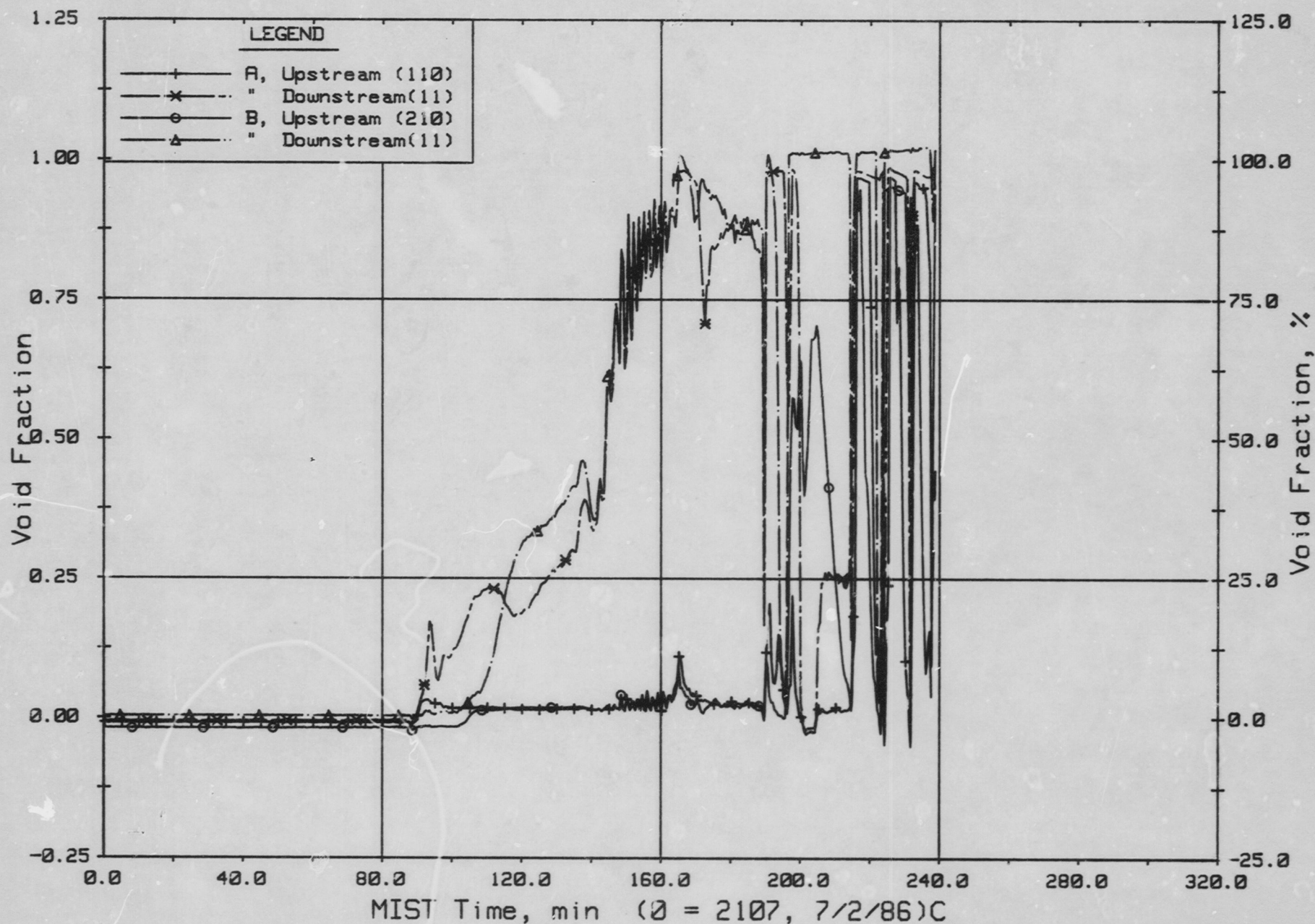
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Hot Leg Riser and Stub Collapsed Liquid Levels.

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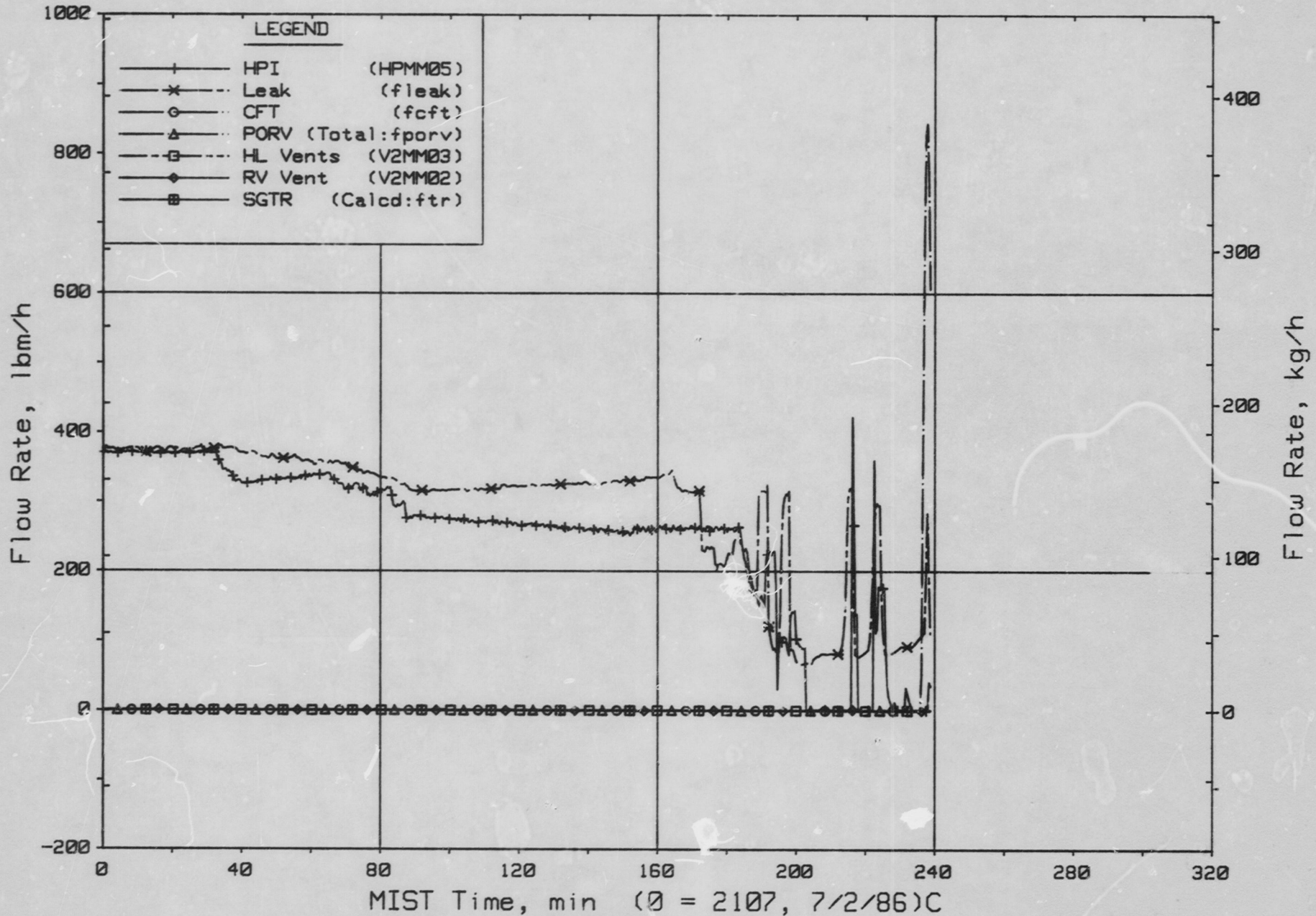
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Hot Leg U-Bend Void Fractions From Diff. Pressures (64.8 to 66.6 ft, HvFs).

FINAL DATA

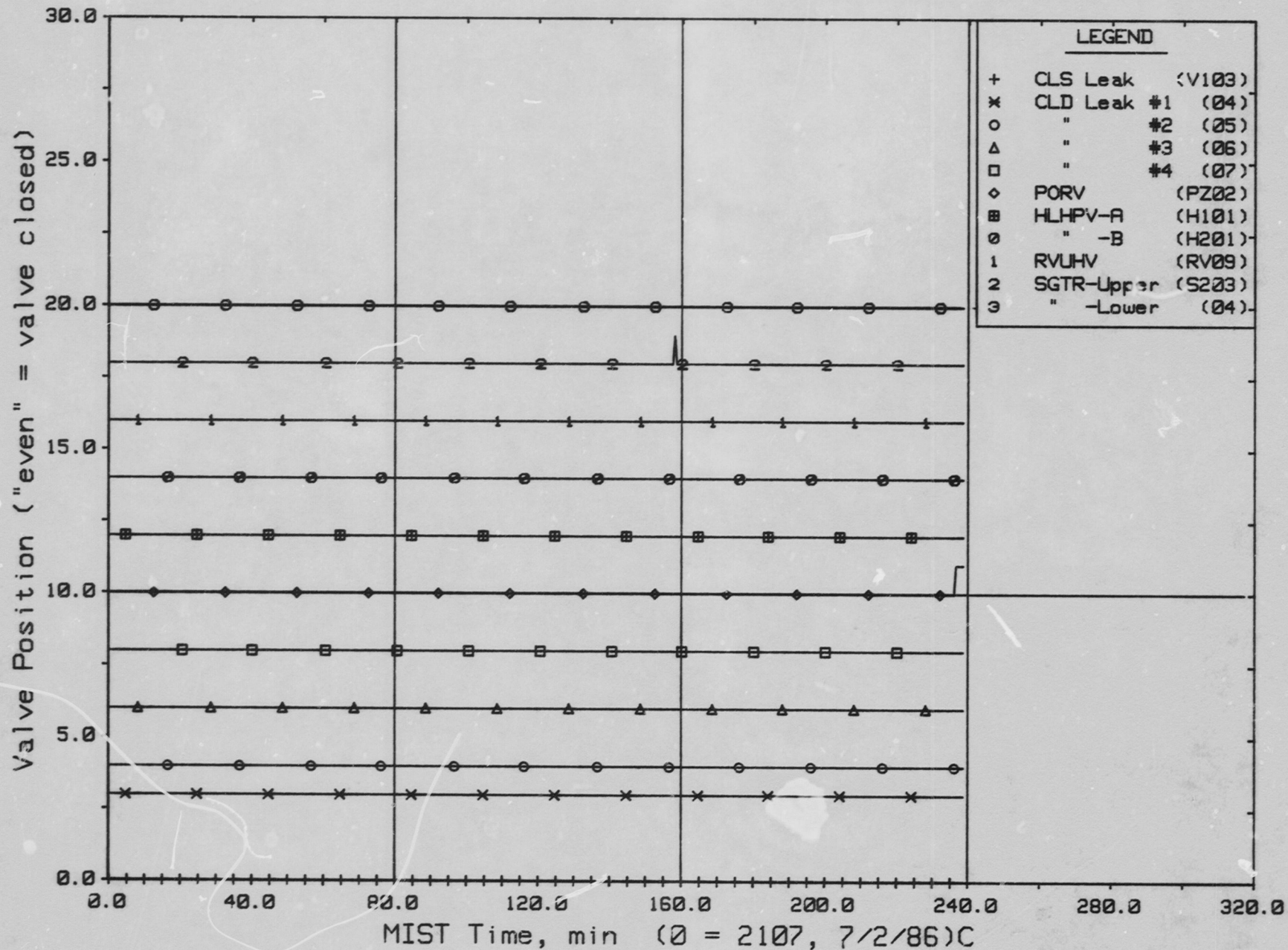
T3009AA: Group 30 Mapping Test 9, Cold Leg Discharge Leak.



Primary System Boundary Flow Rates.

FINAL DATA

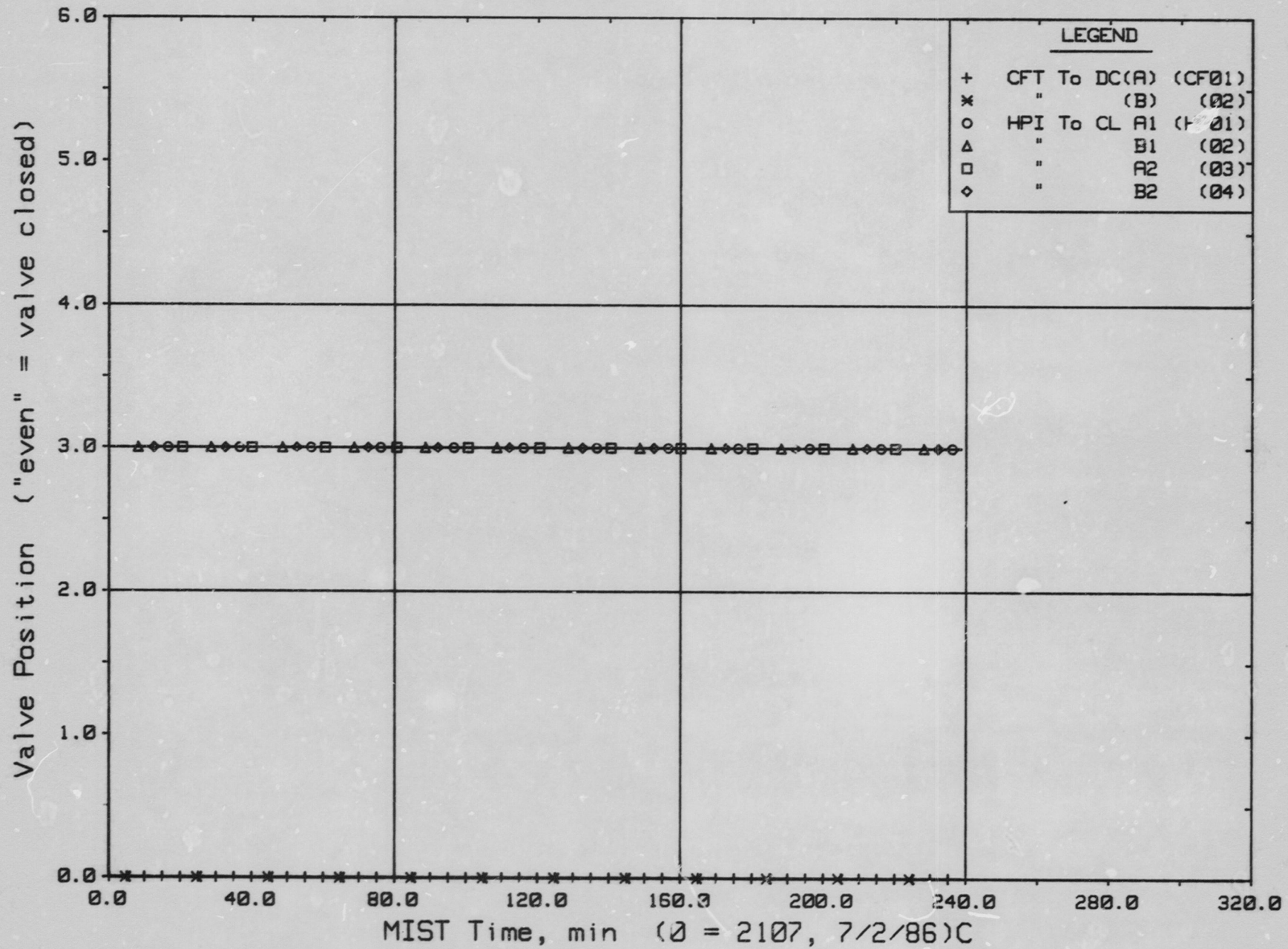
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Primary System Discharge Limit Switch Indications (LSs).

FINAL DATA

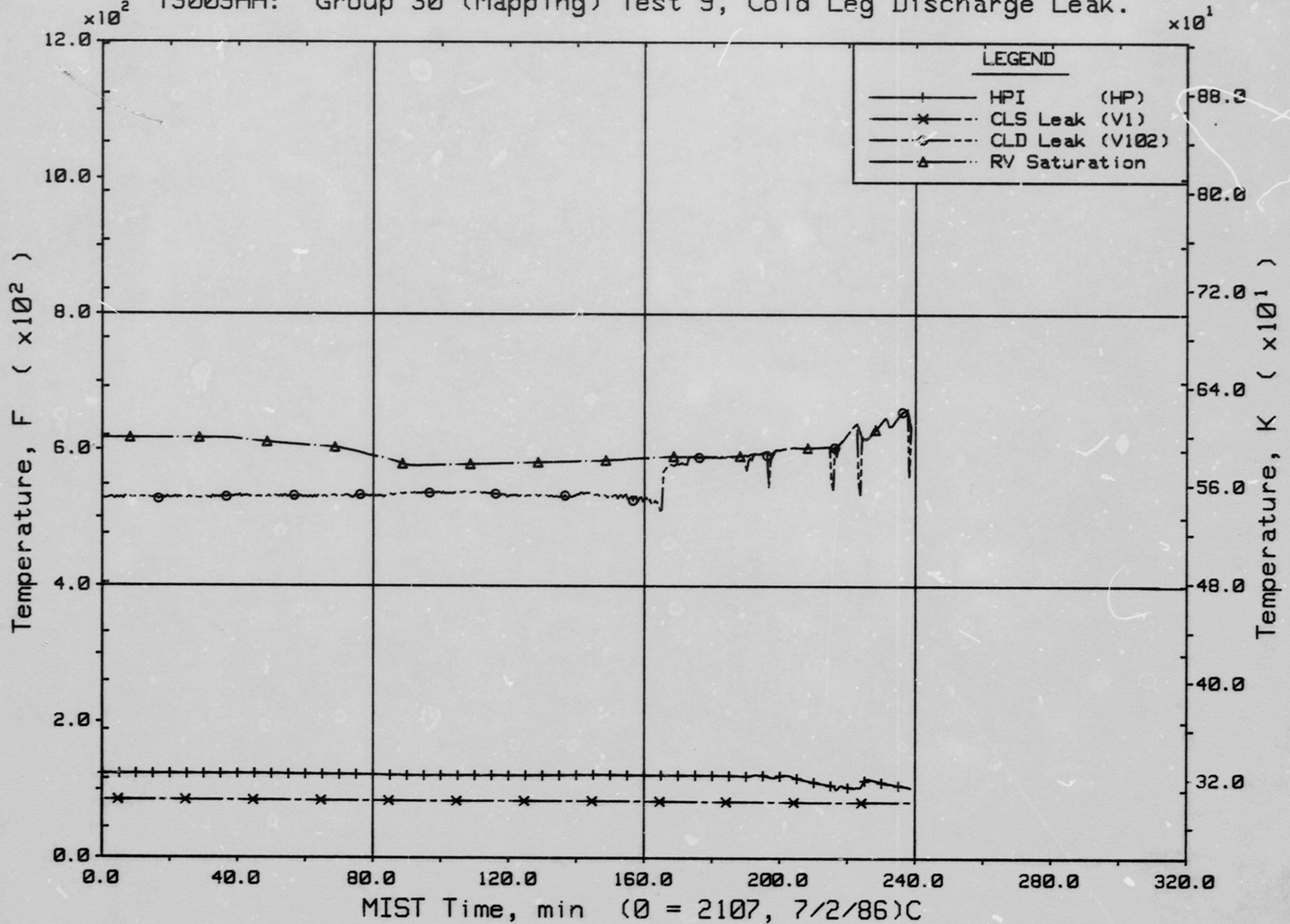
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Primary System Injection Limit Switch Indications (LSs).

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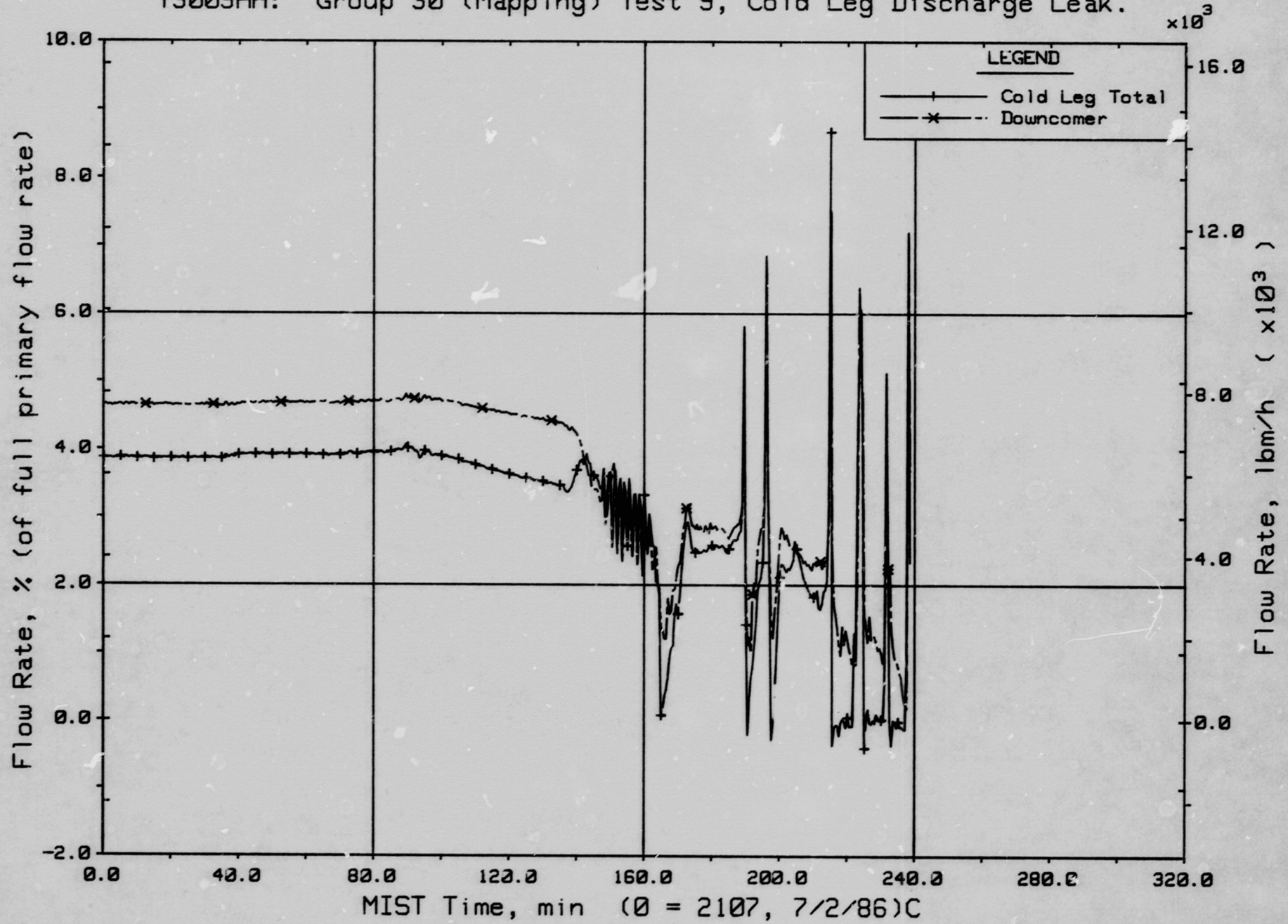
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Single-Phase Discharge and HPI Fluid Temperatures (TC01s).

FINAL DATA

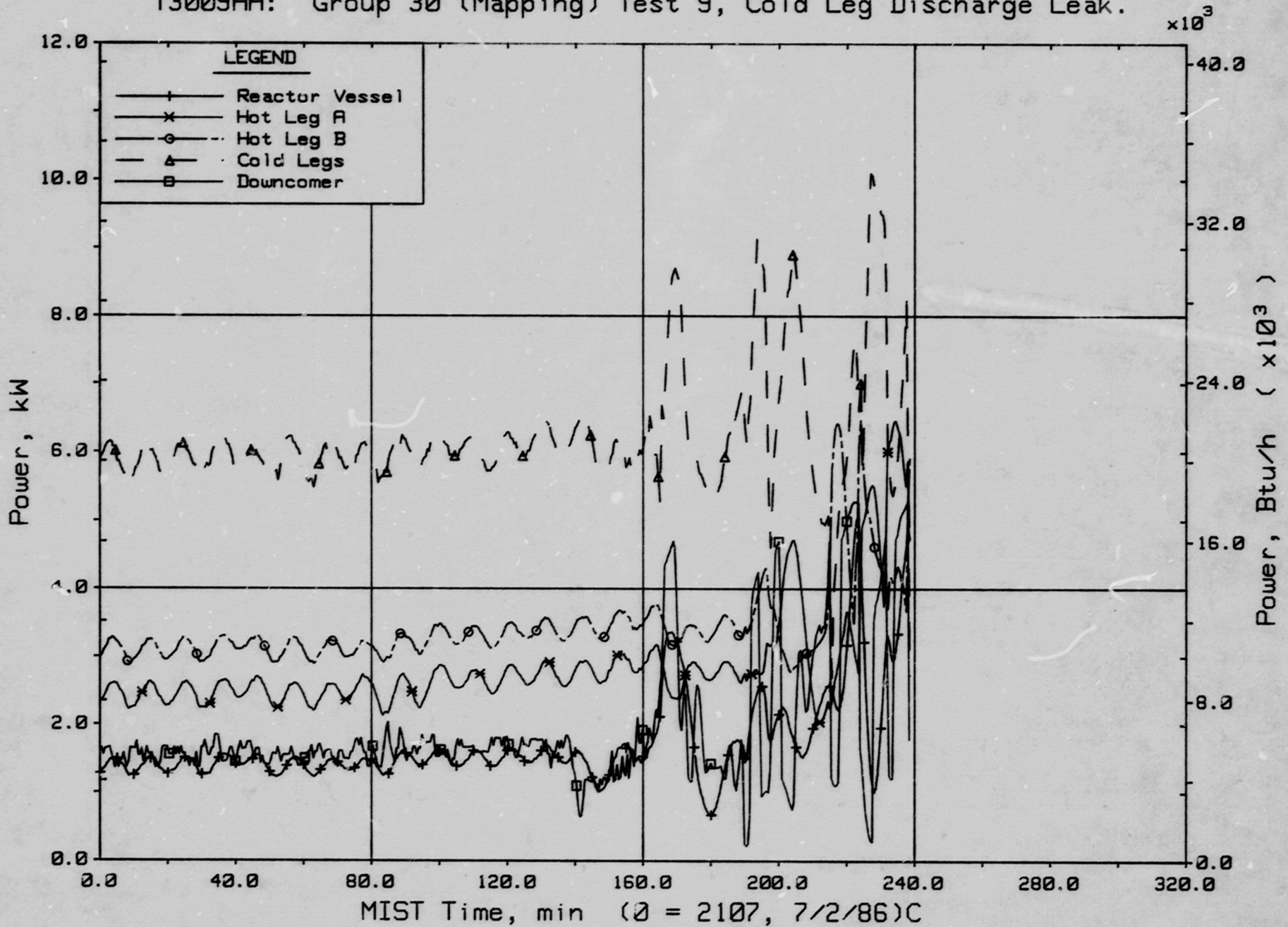
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Primary System Venturi Flow Rates.

FINAL DATA

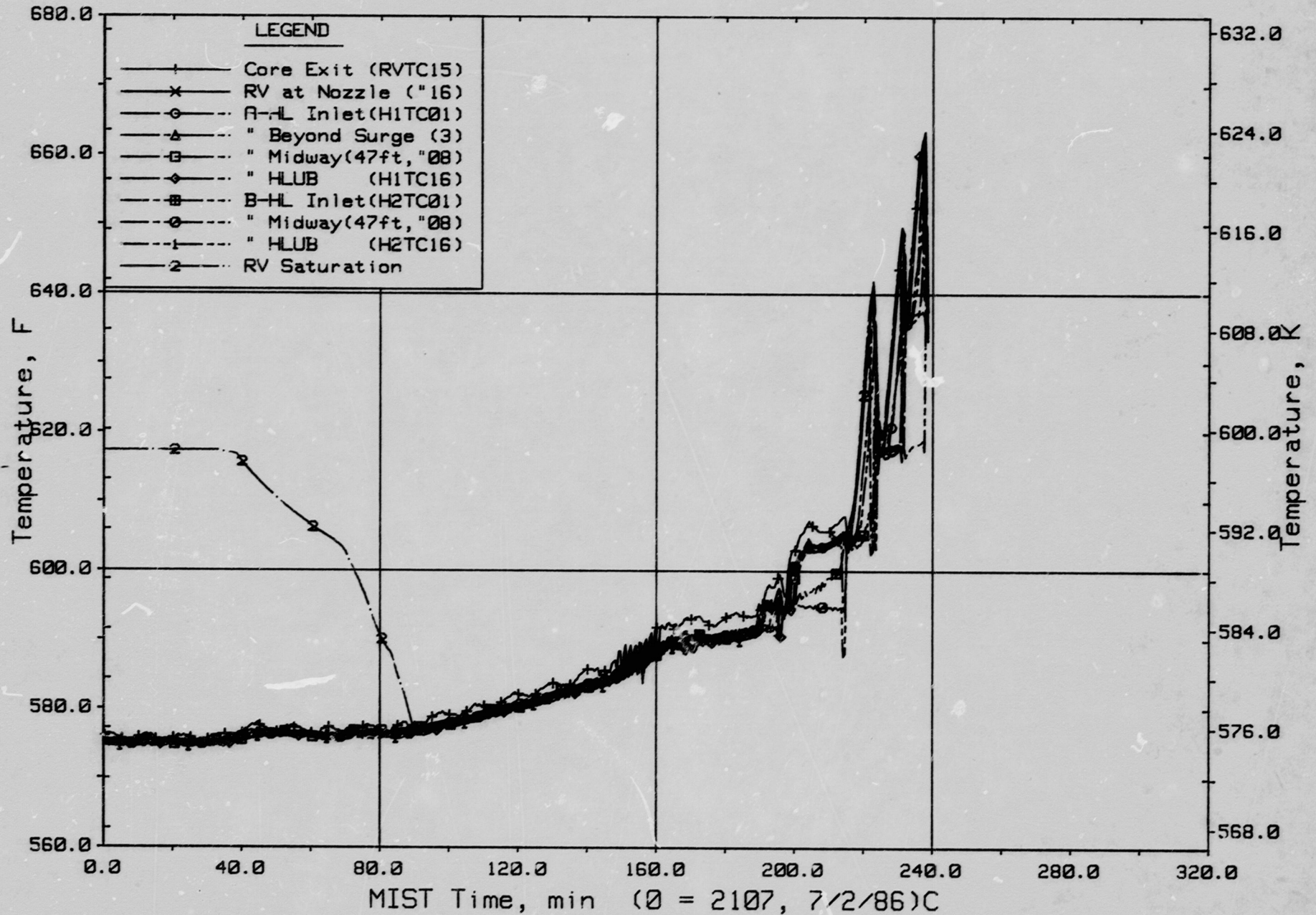
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Guard Heater Specified Power Per Primary Component.

FINAL DATA

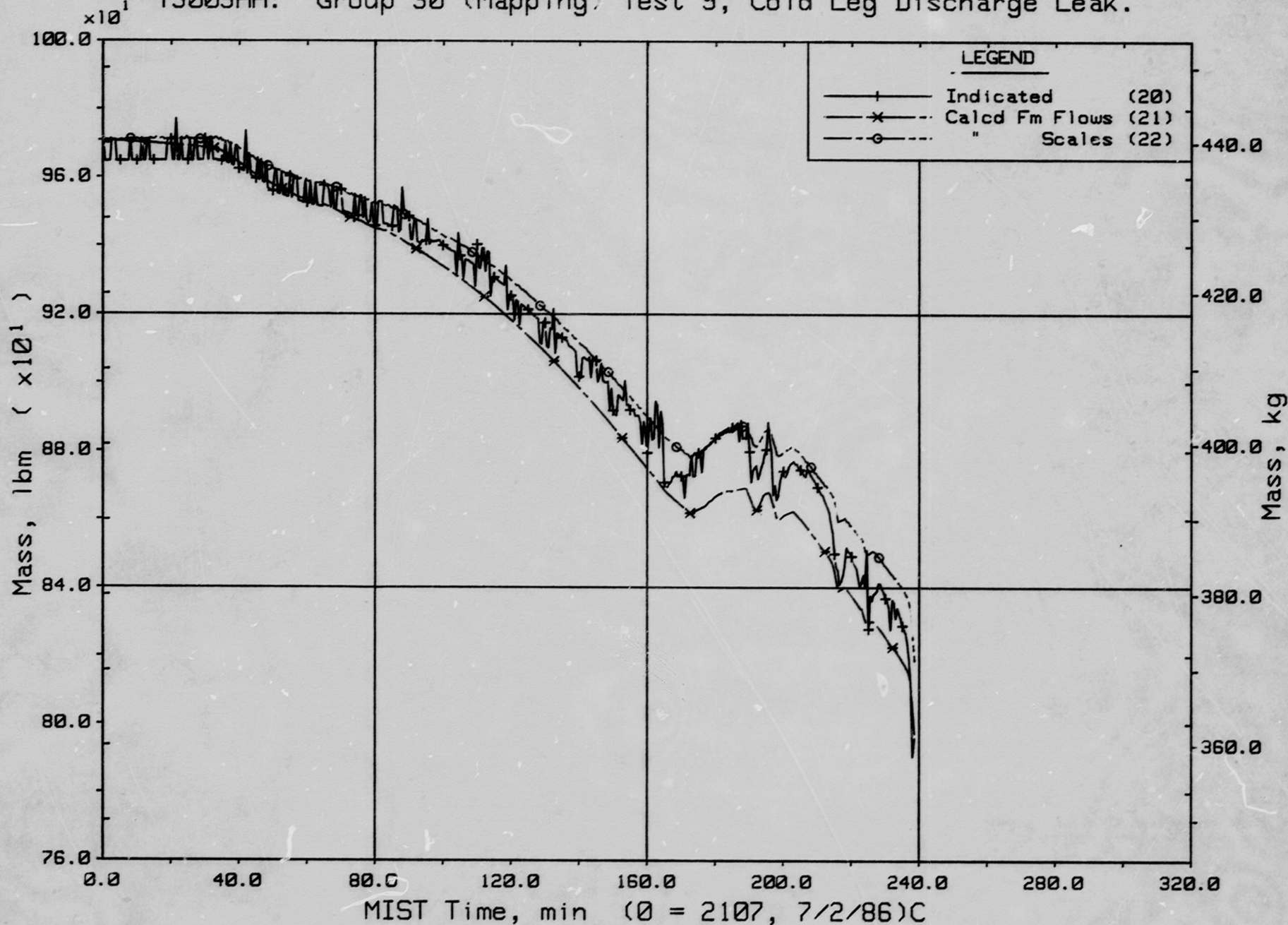
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Composite Core Exit and Hot Leg Fluid Temperatures.

FINAL DATA

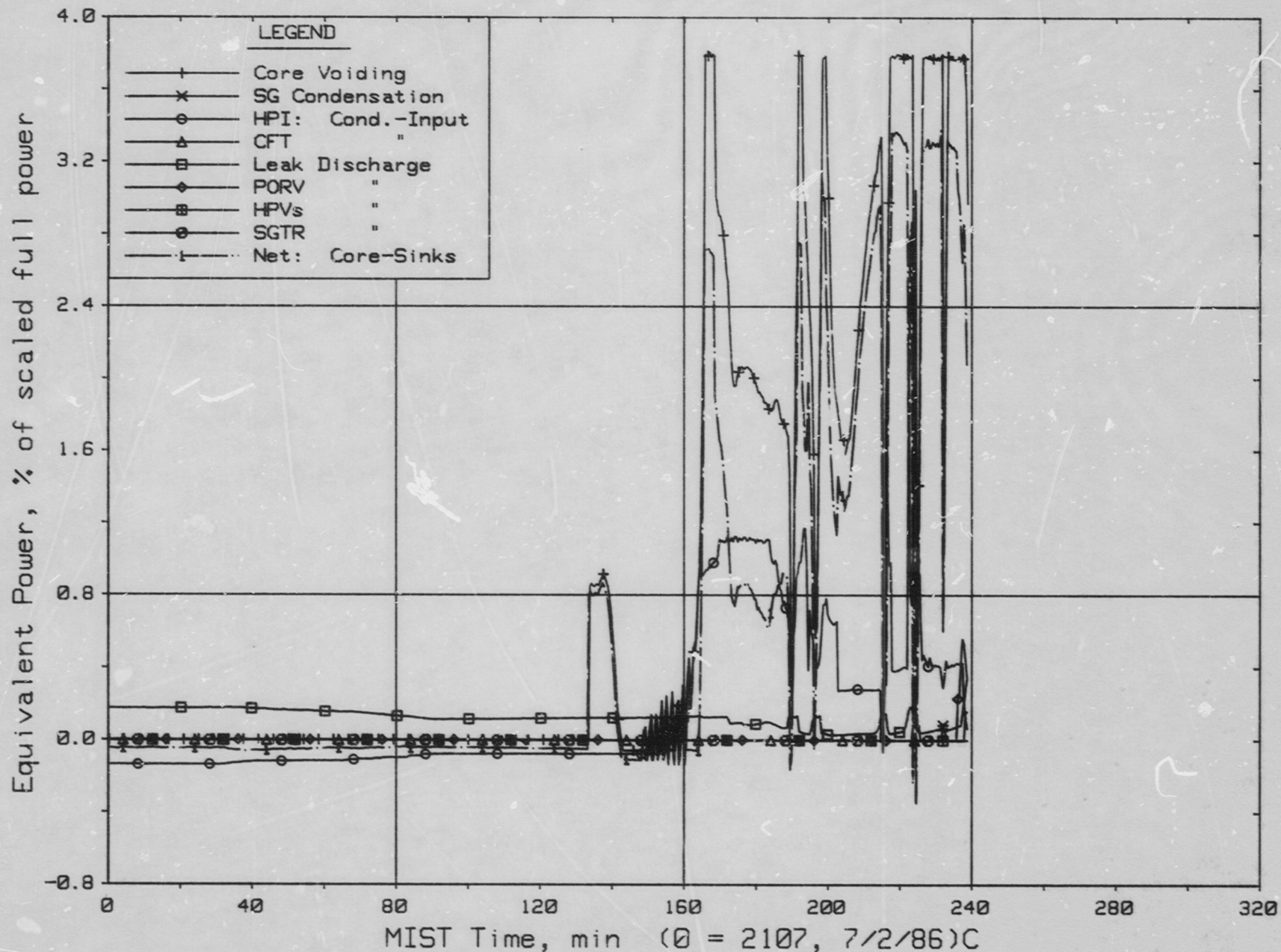
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Primary System Total Fluid Mass (PLMLs).

FINAL DATA

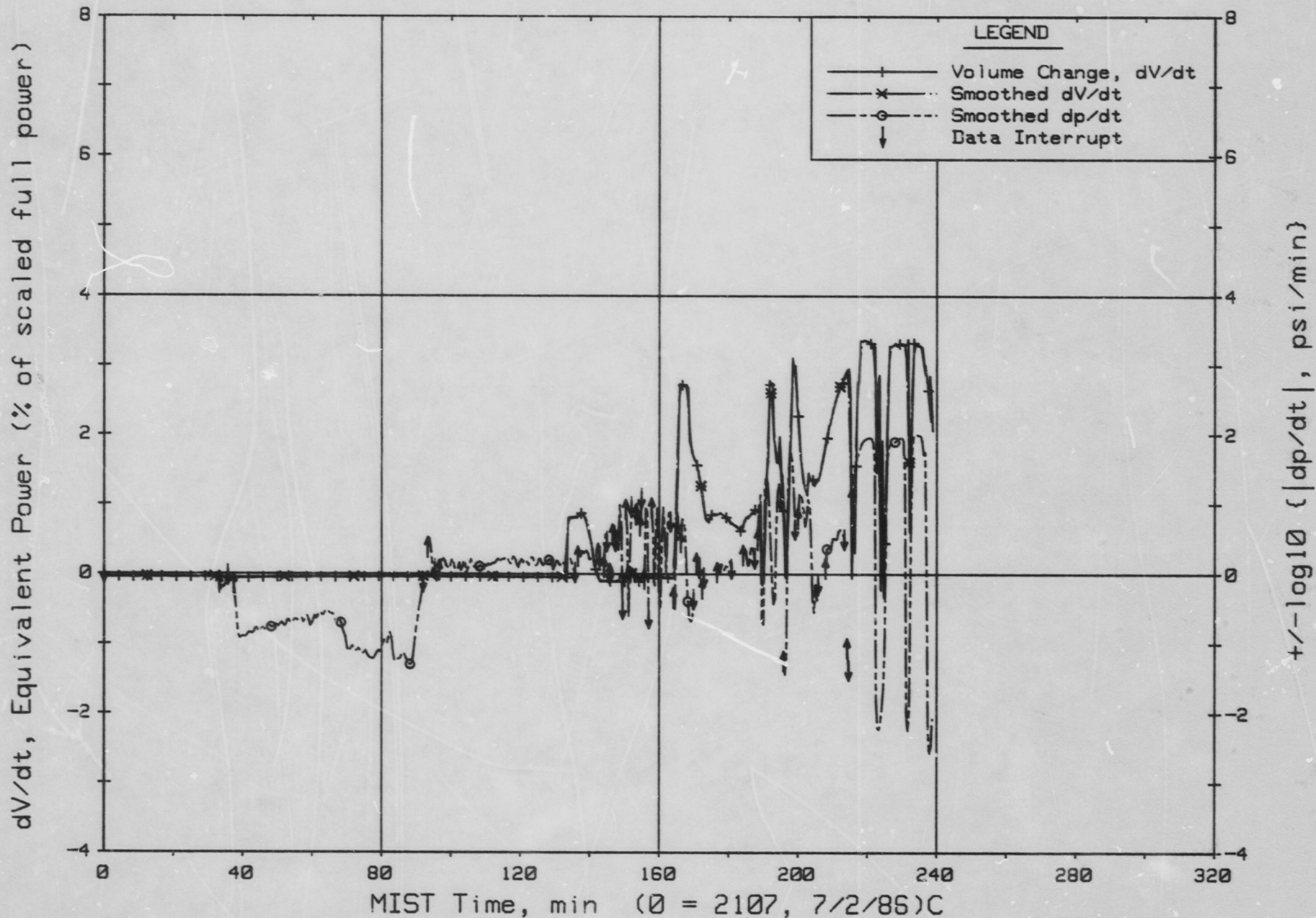
T3009AA: Group 30 Mapping Test 9, Cold Leg Discharge Leak.



Primary Fluid Volume Changes By Components.

FINAL DATA

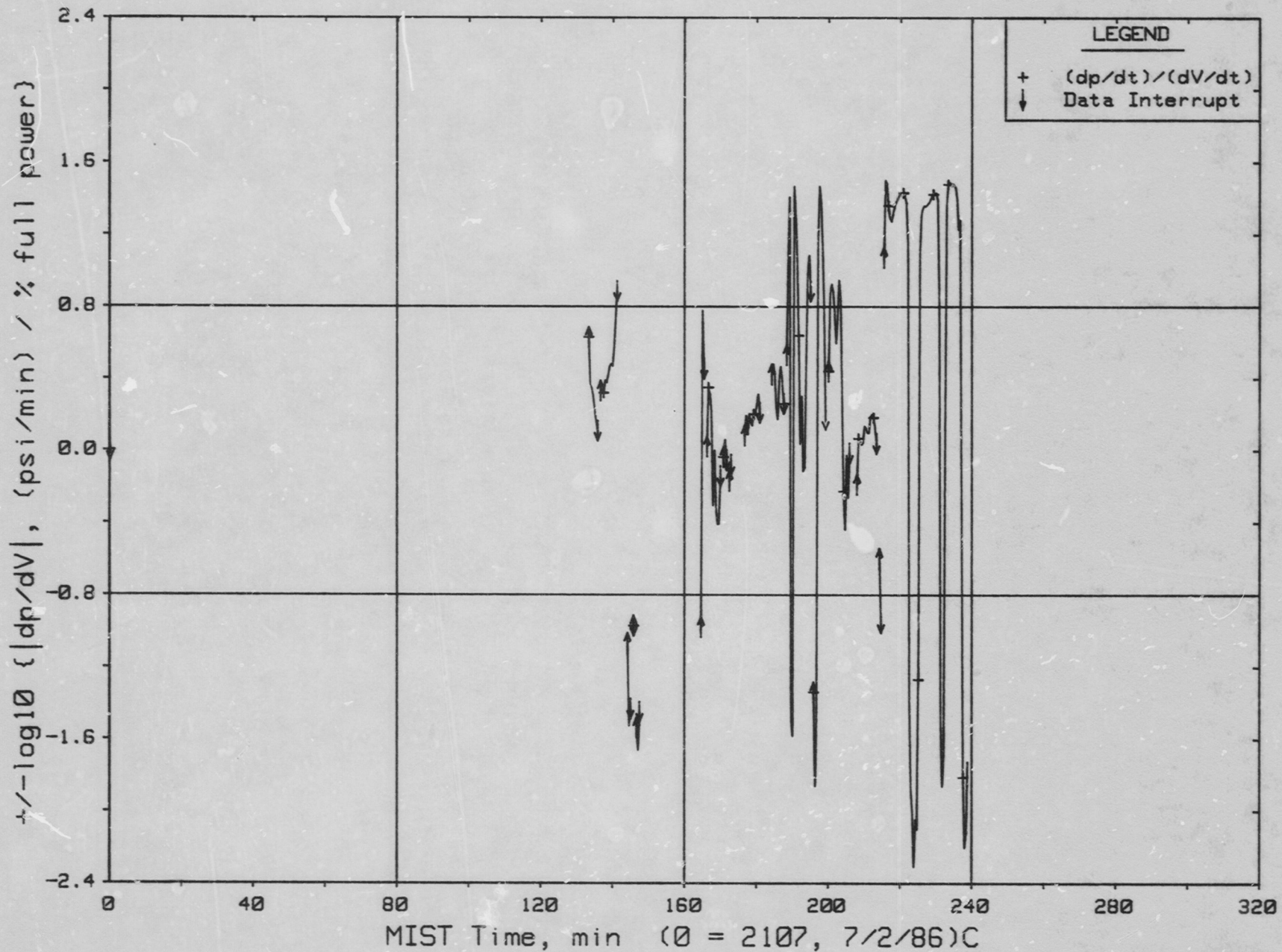
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Primary Fluid Volume and Pressure Changes, dV/dt and dp/dt .

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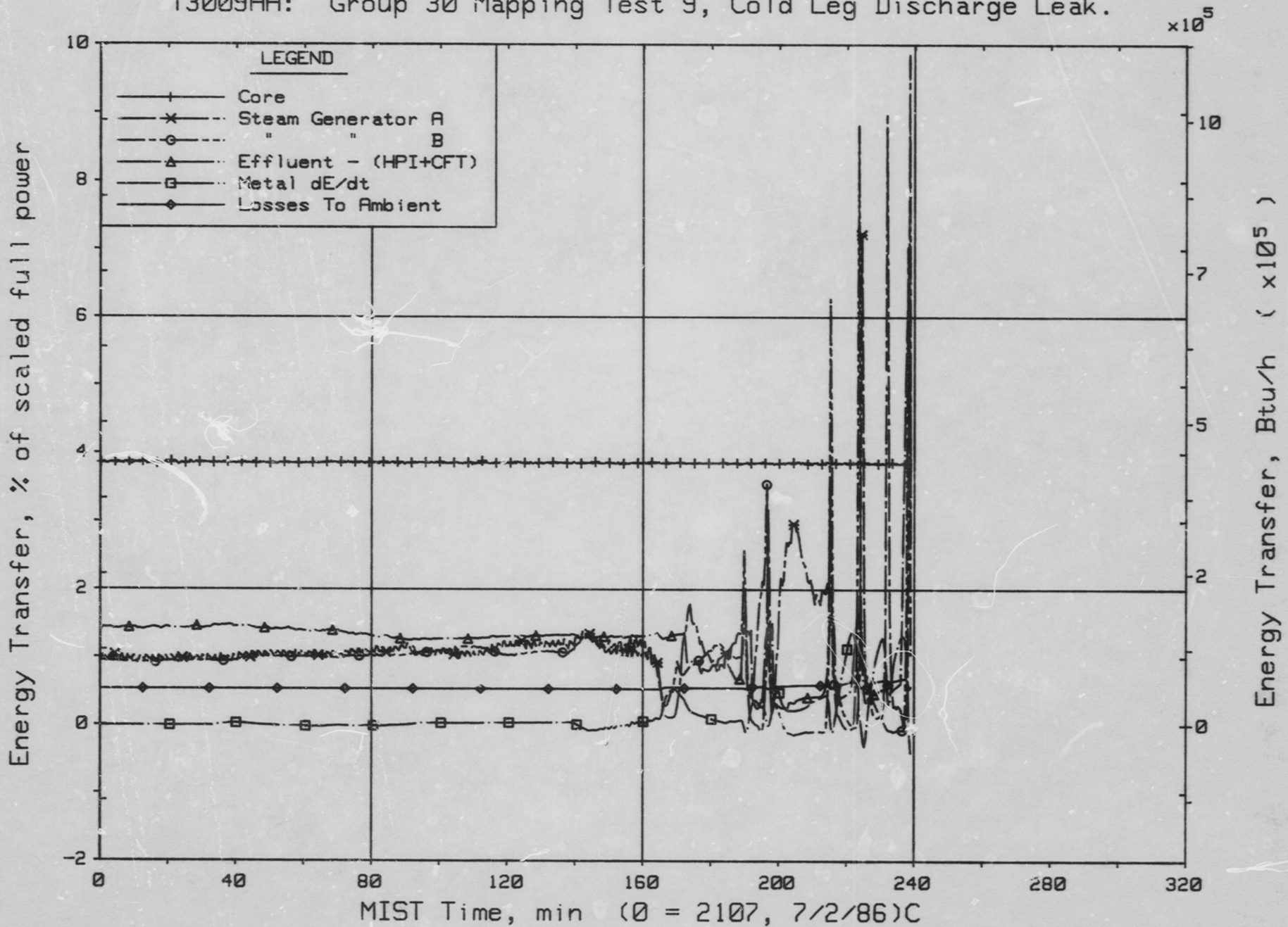
T3009AA: Group 30 Mapping Test 9, Cold Leg Discharge Leak.



Primary System Response: dp/dt divided by dV/dt.

FINAL DATA

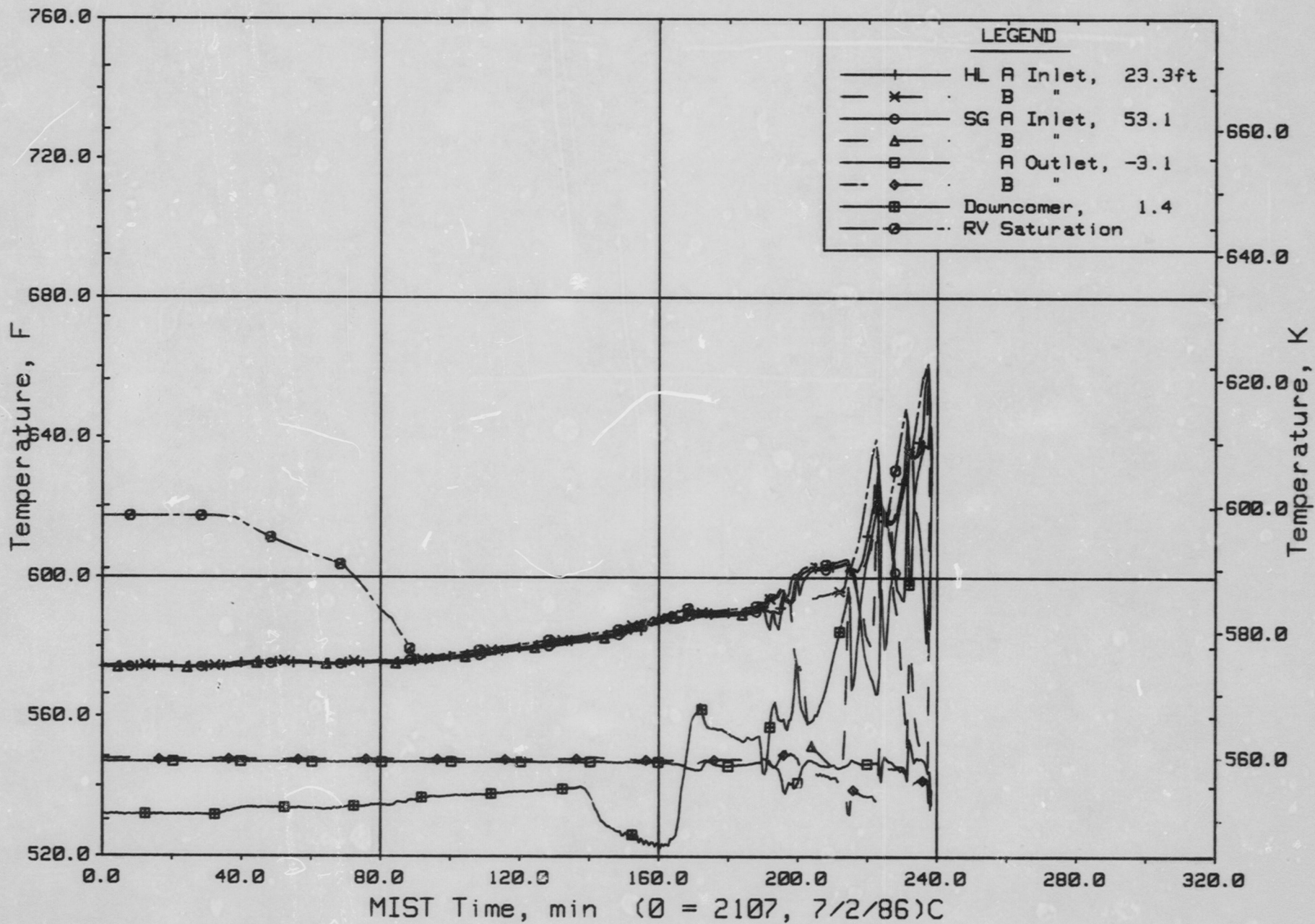
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Primary System Energy Transfer.

FINAL DATA

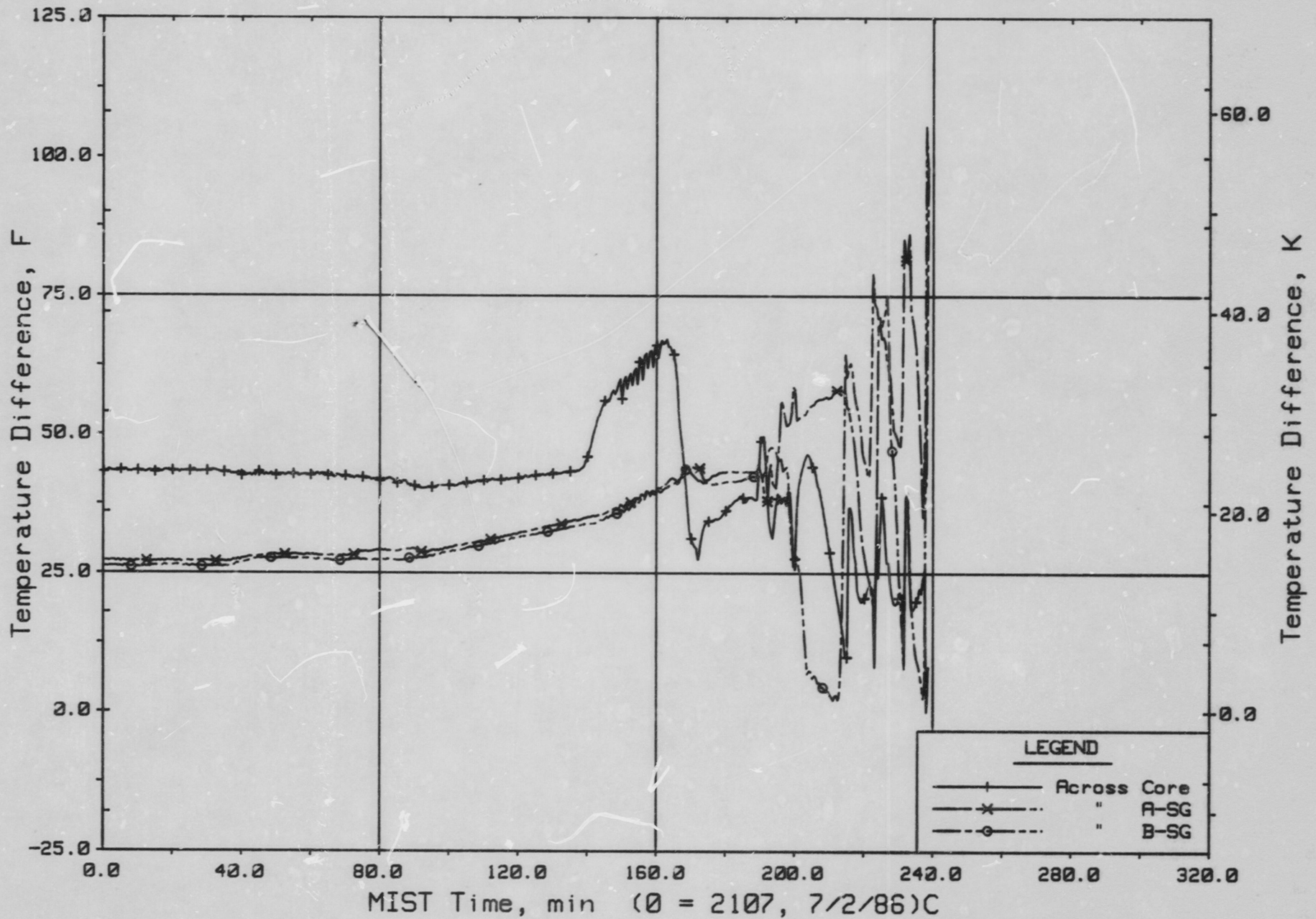
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Primary System Fluid Temperatures (RTDs).

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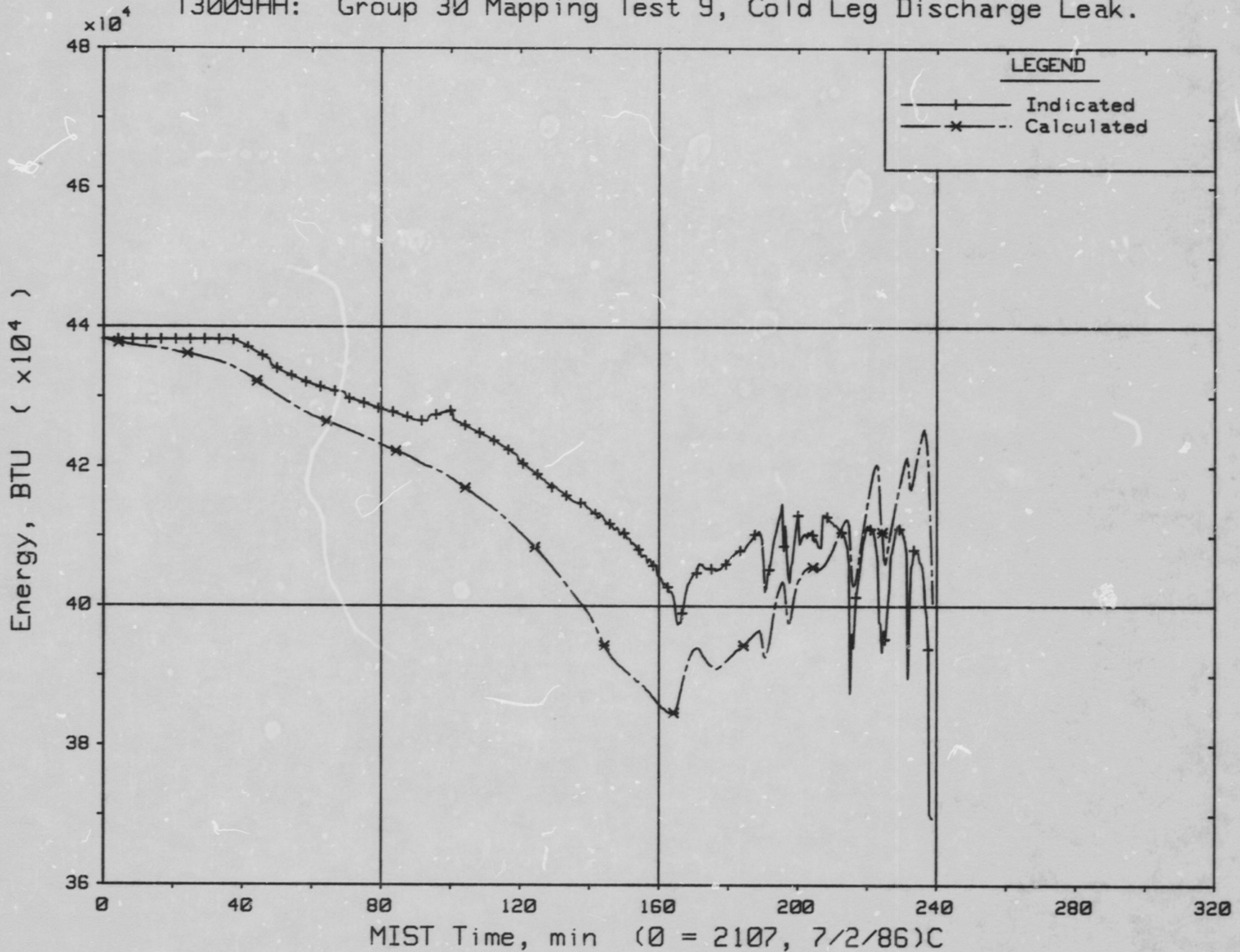
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Key Temperature Differences.

FINAL DATA

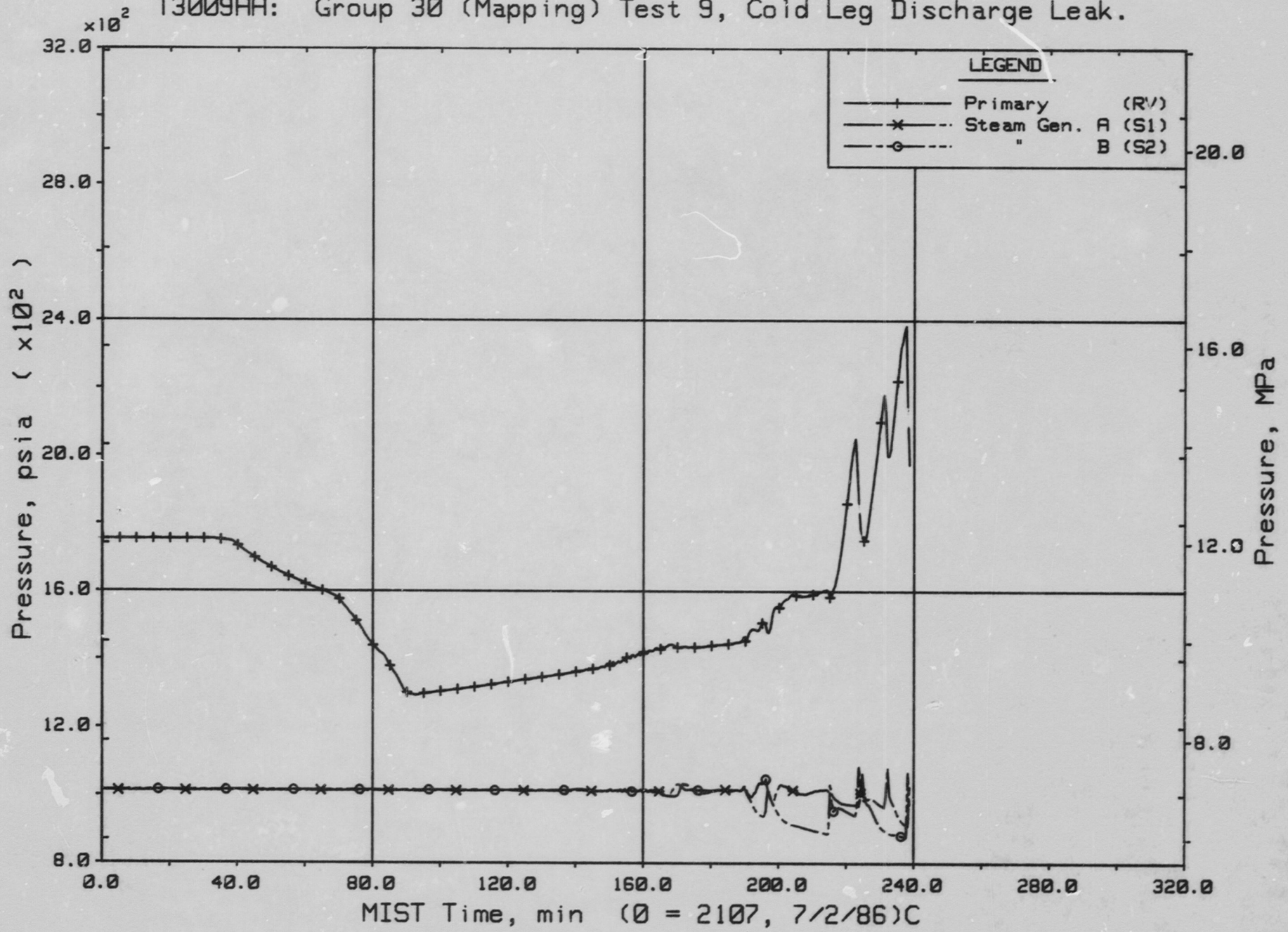
T3009AA: Group 30 Mapping Test 9, Cold Leg Discharge Leak.



Primary System Total Fluid Energy.

FINAL DATA

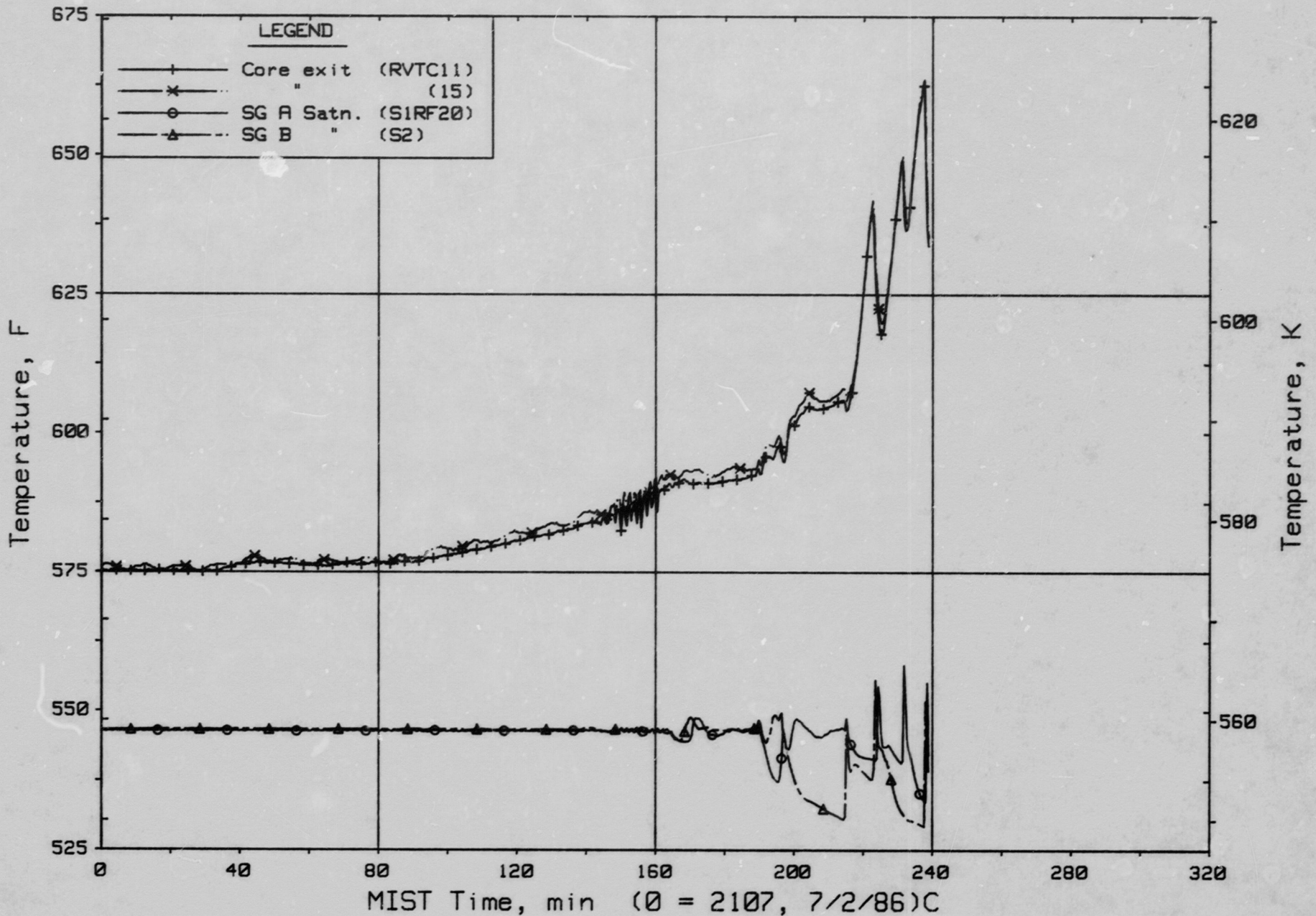
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Primary and Secondary System Pressures (GPOIs).

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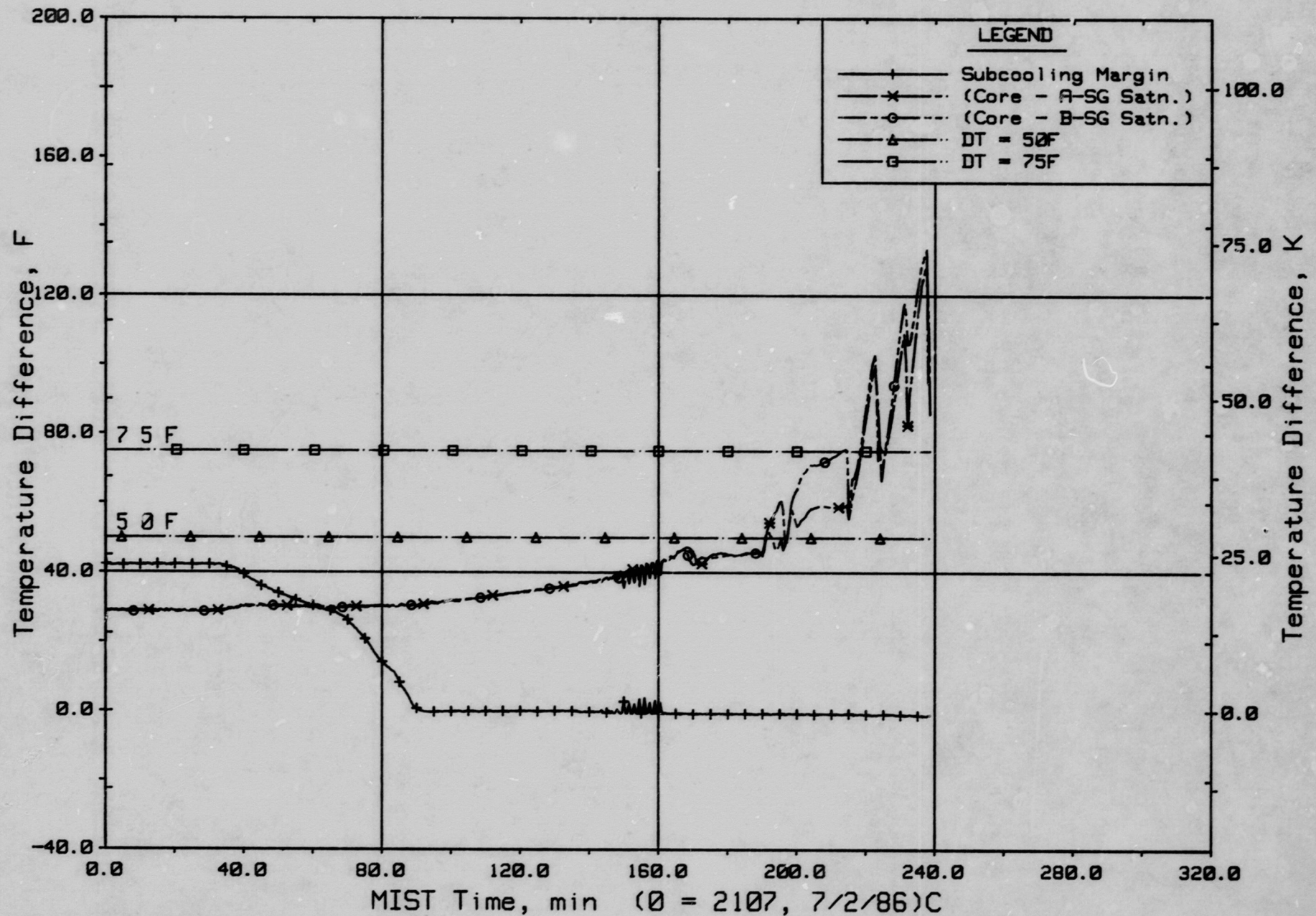
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Core Exit and Steam Generator Secondary Saturation Temperatures.

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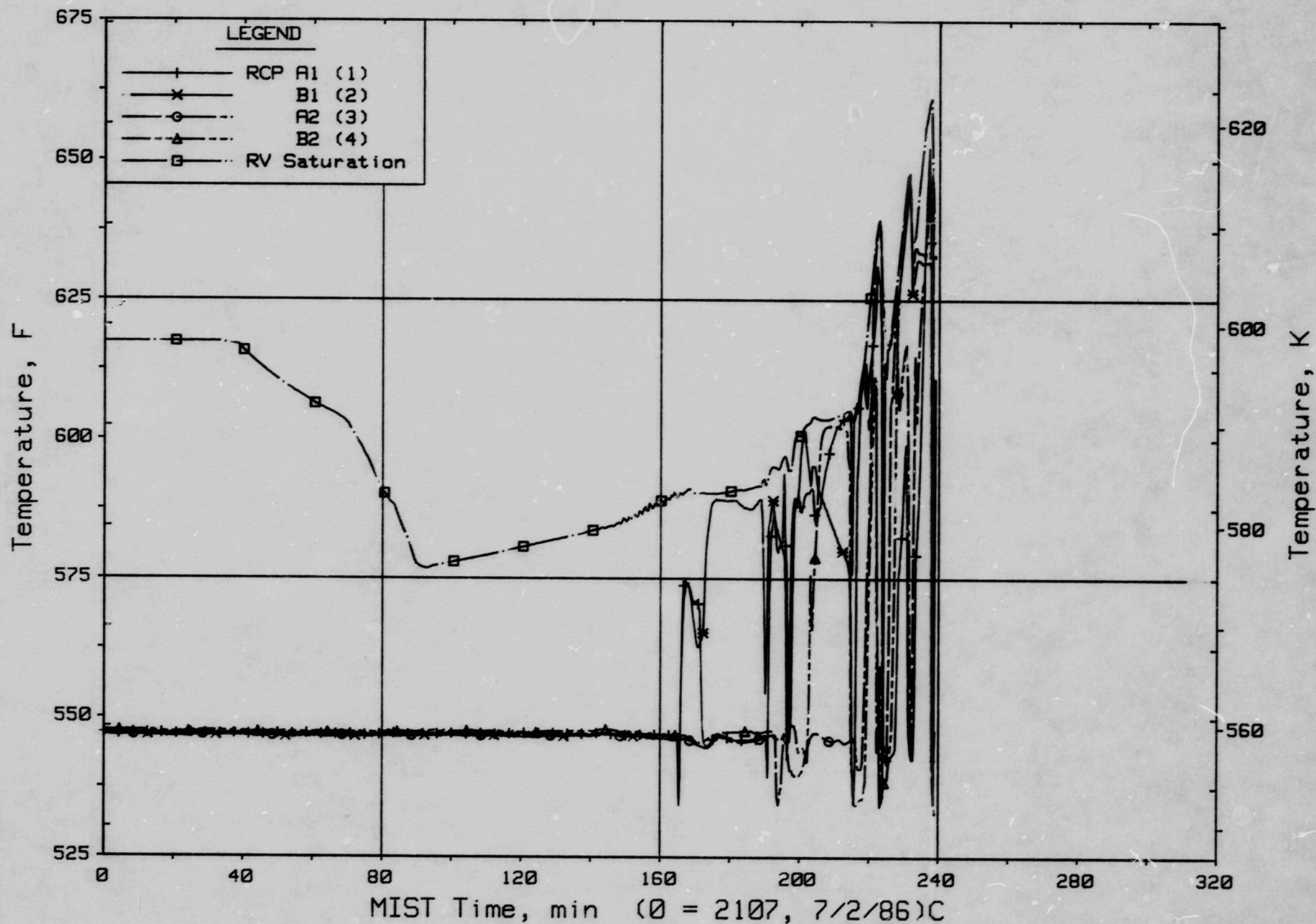
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Control Temperature Differences.

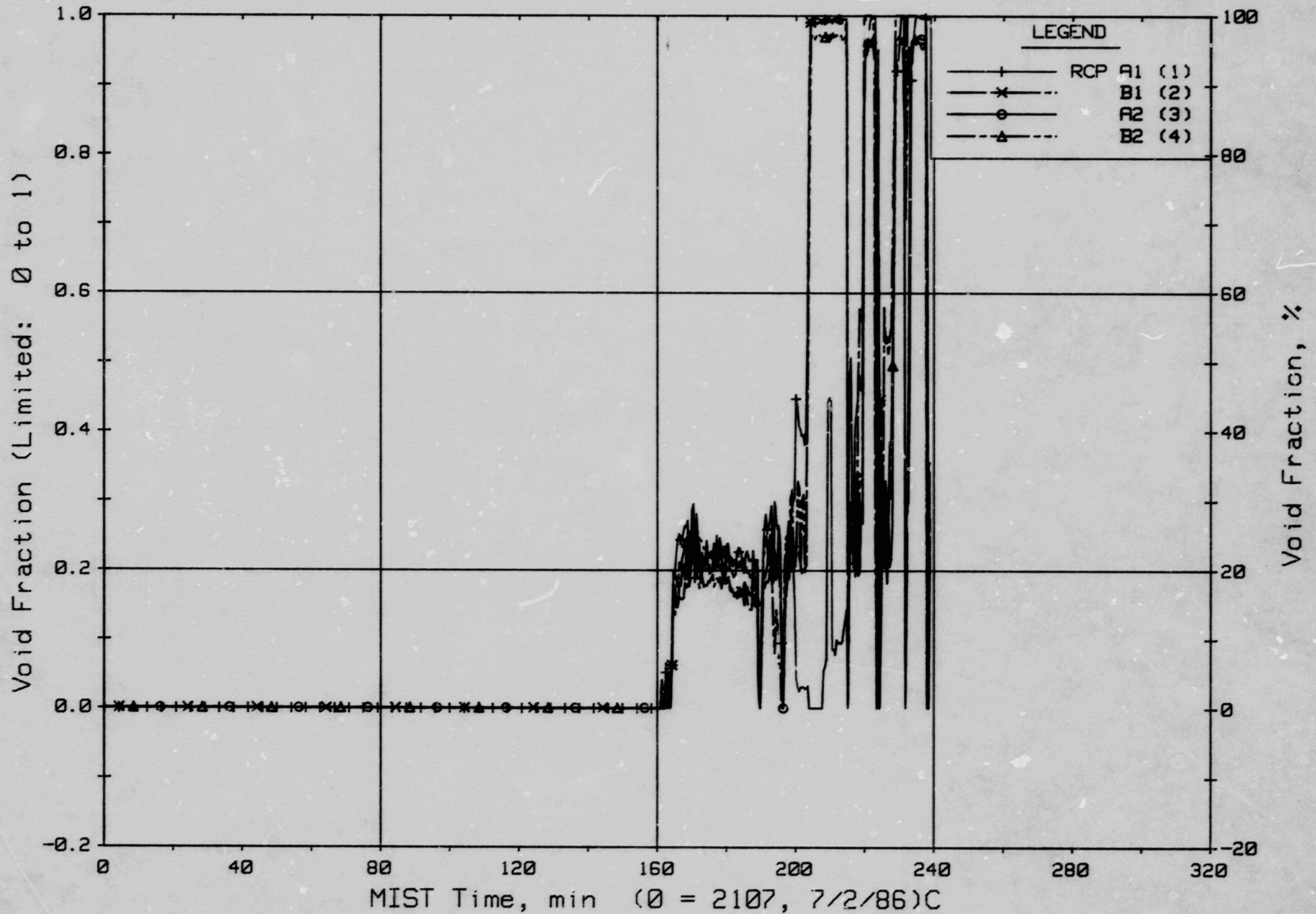
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FINAL DATA

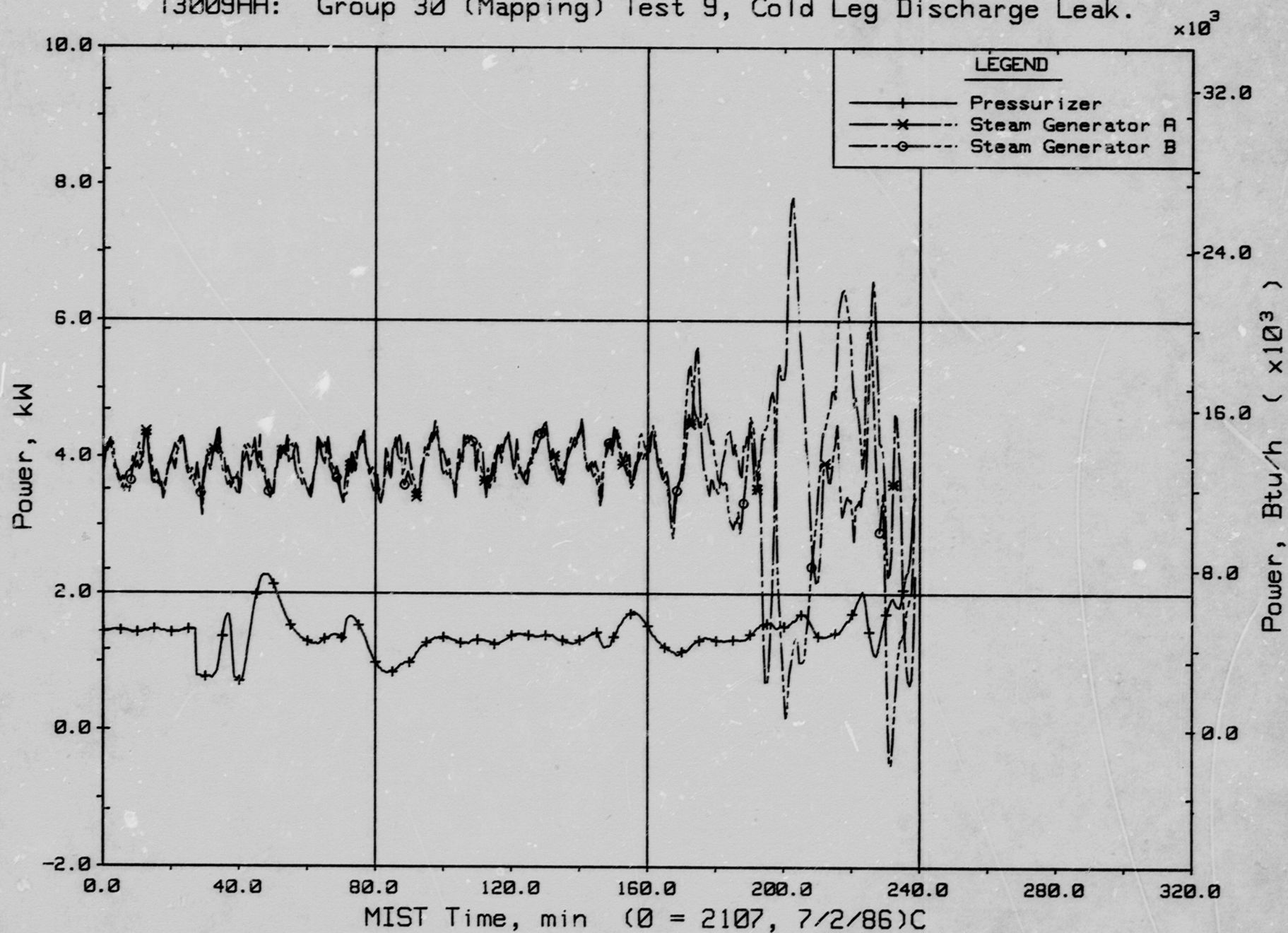
T3009AA: Group 30 Mapping Test 9, Cold Leg Discharge Leak.



Pump Suction Void Fraction From Gamma Densitometers (CnGD21).

FINAL DATA

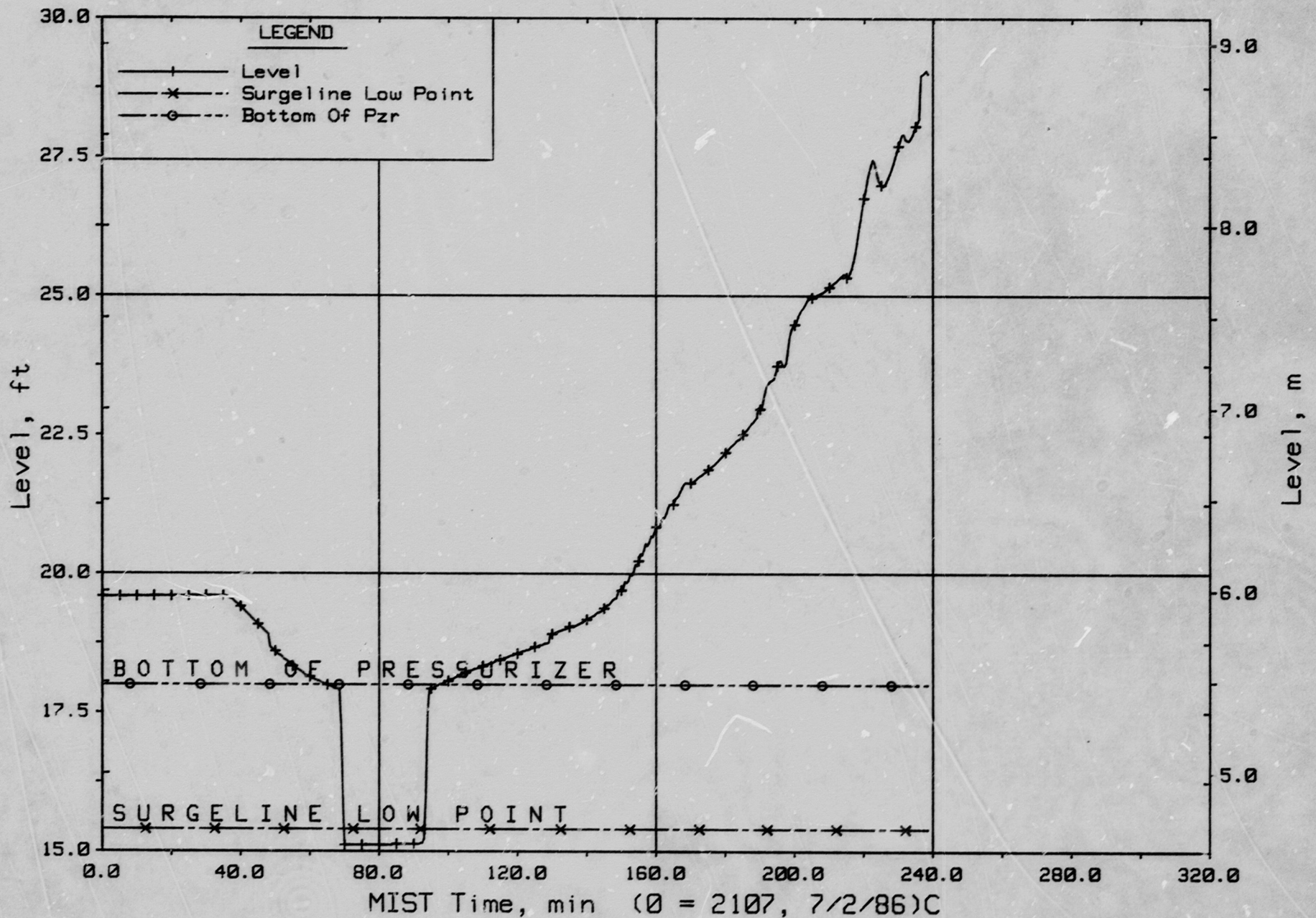
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Guard Heater Specified Power, Pressurizer and Steam Generators.

FINAL DATA

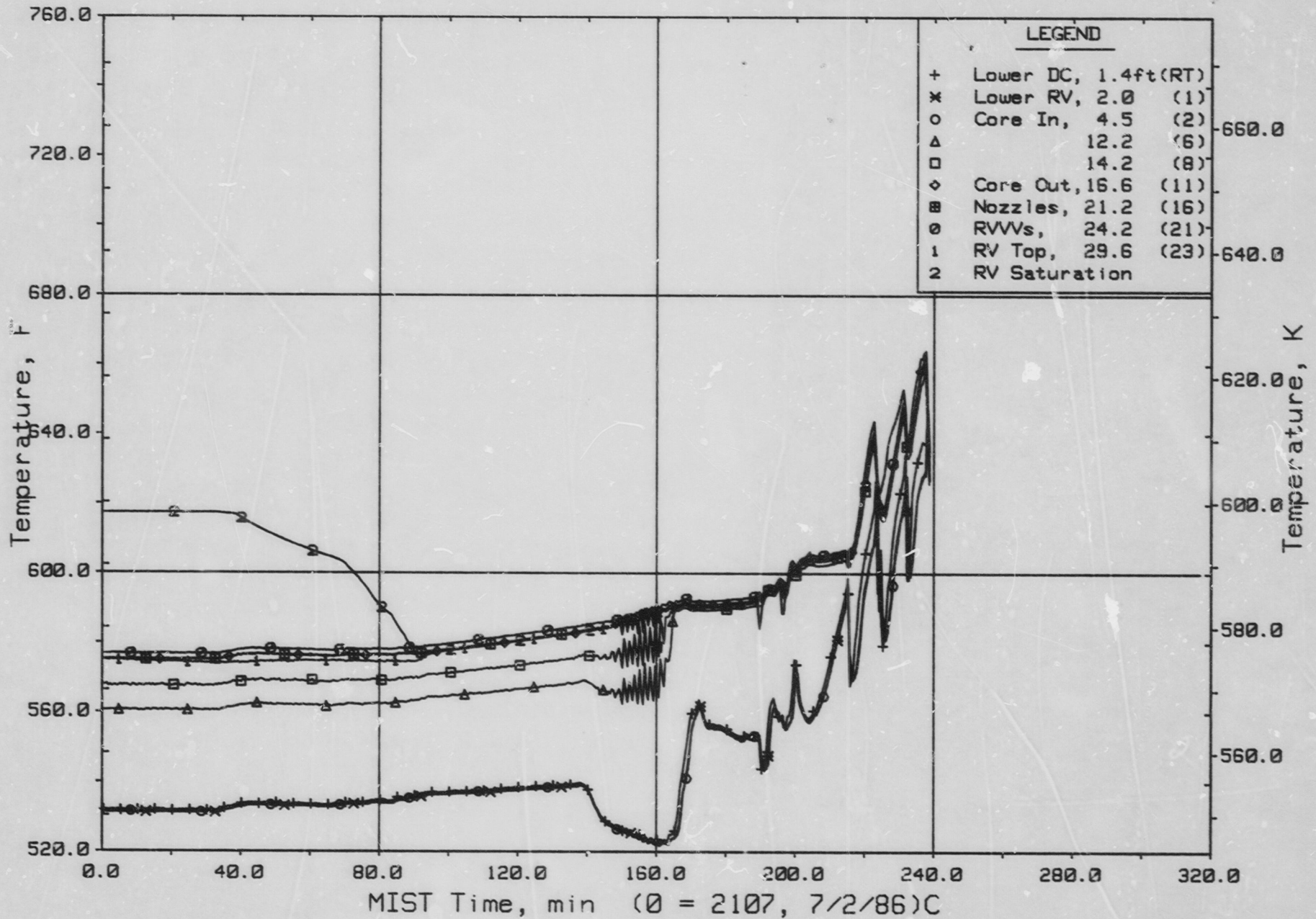
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Pressurizer Collapsed Liquid Level (PZLV20).

FINAL DATA

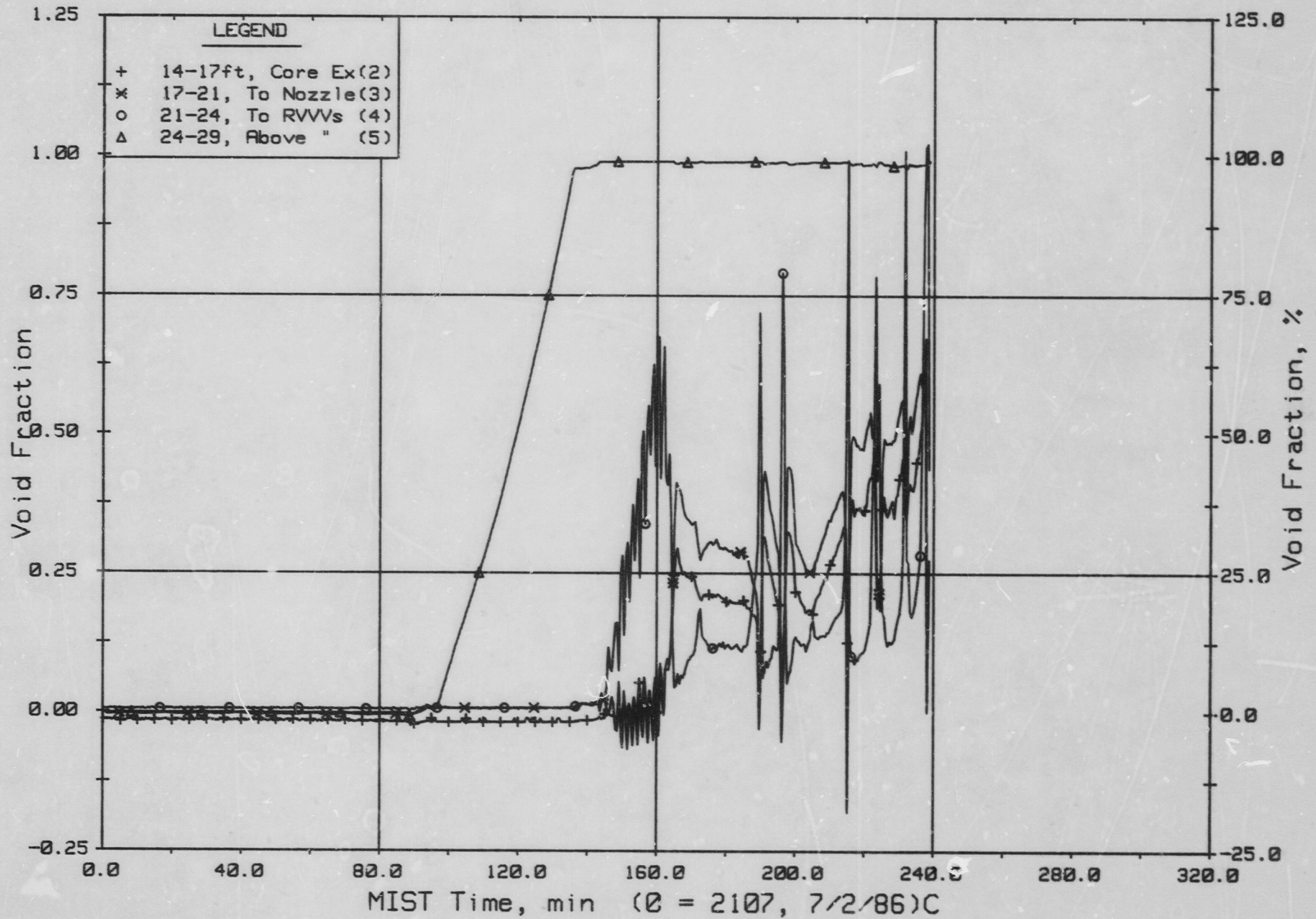
T3009AR: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Core Unit Cell and Reactor Vessel Fluid Temperatures (RVTCs).

FINAL DATA

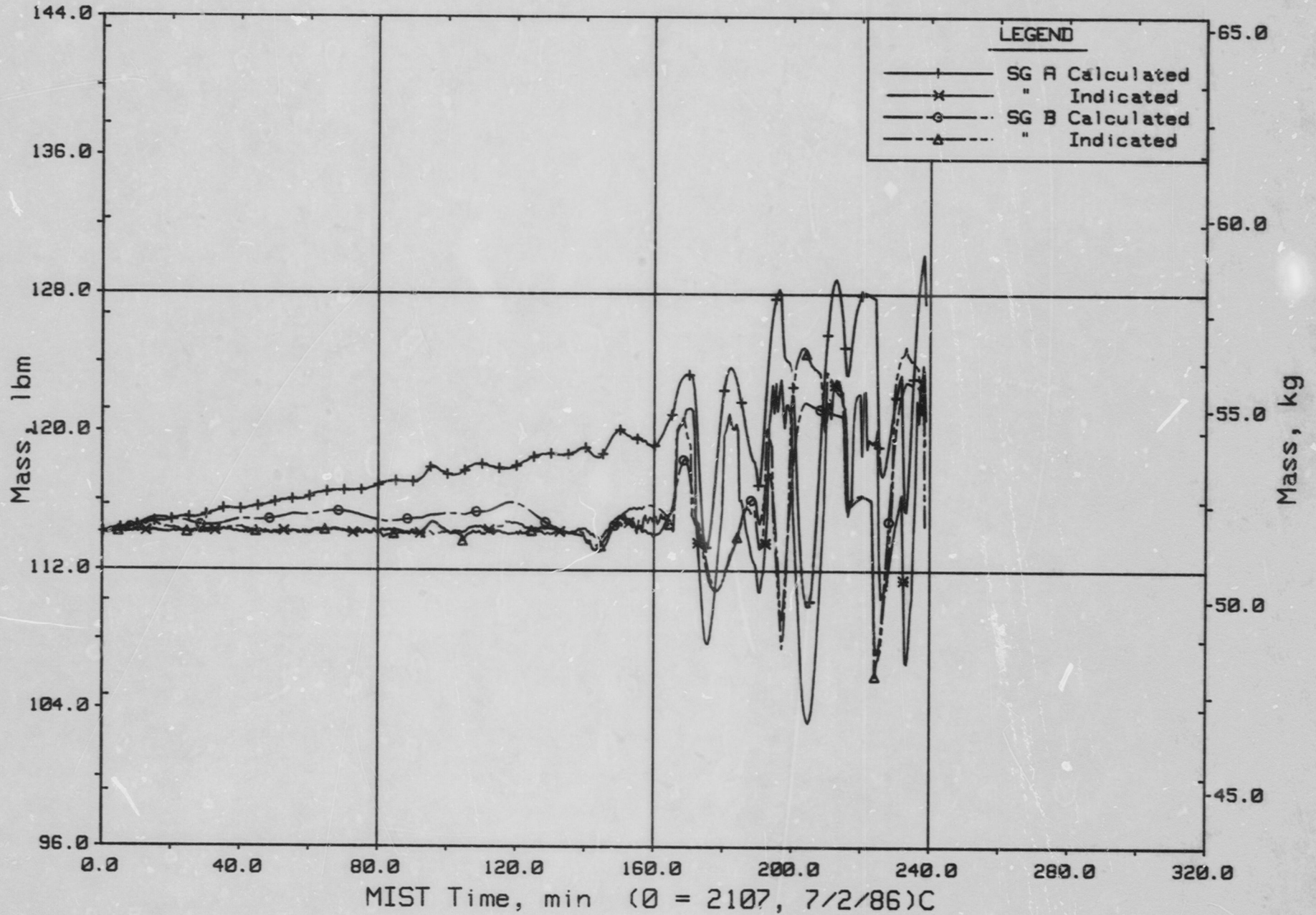
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Reactor Vessel Void Fractions From Differential Pressures (RVFs).

FINAL DATA

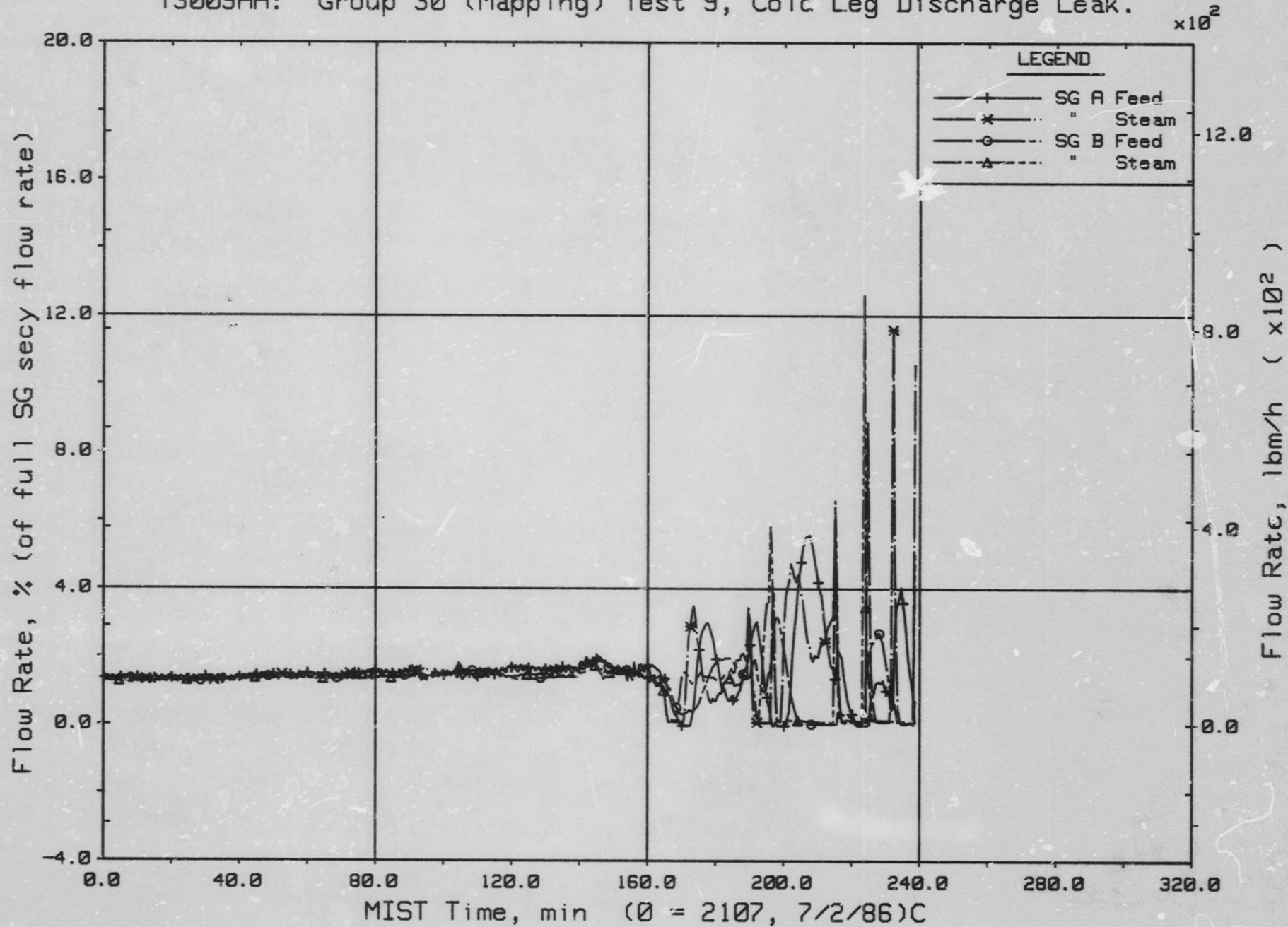
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Steam Generator Secondary Fluid Mass Balances.

FINAL DATA

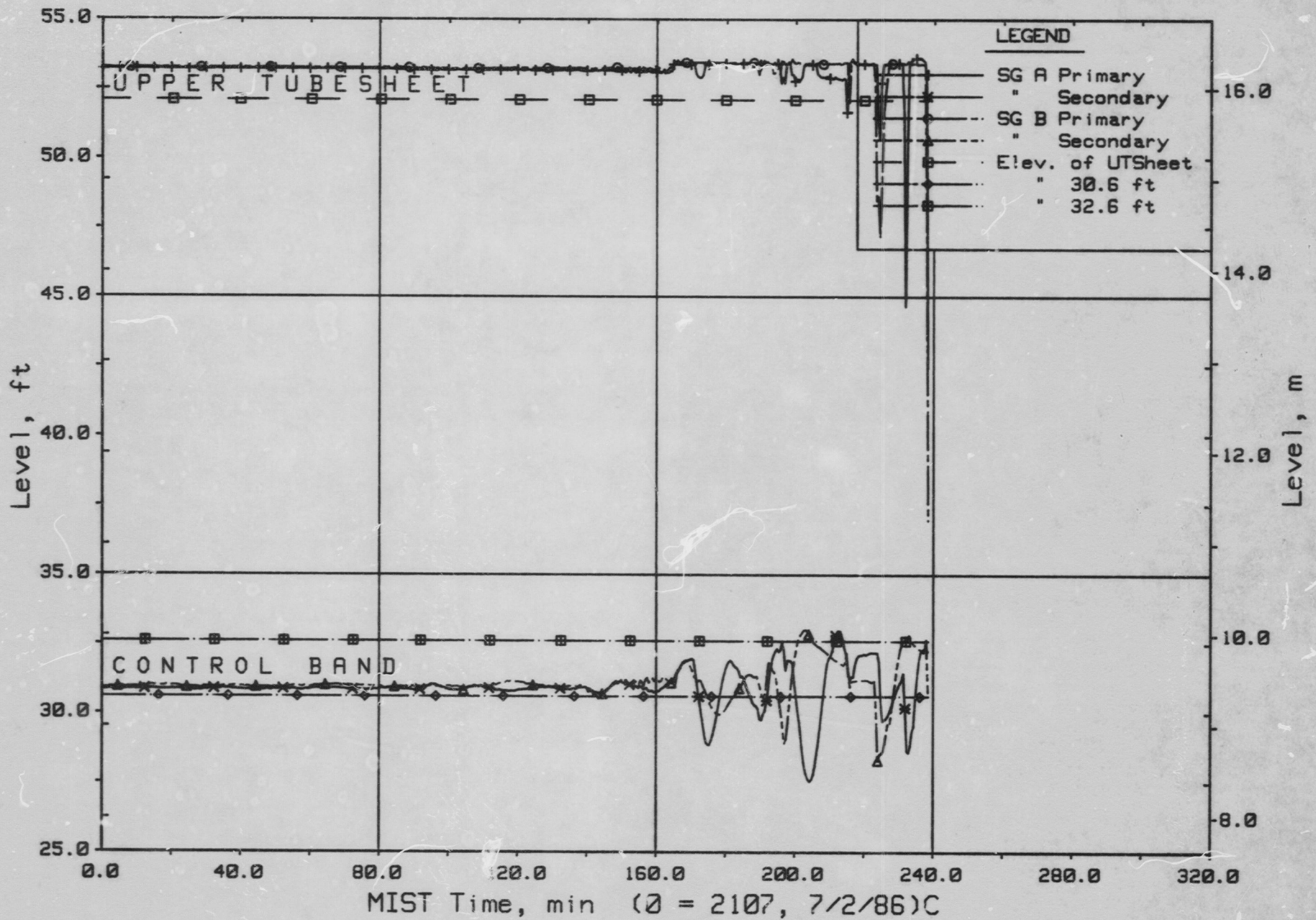
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Steam Generator Secondary System Flow Rates.

FINAL DATA

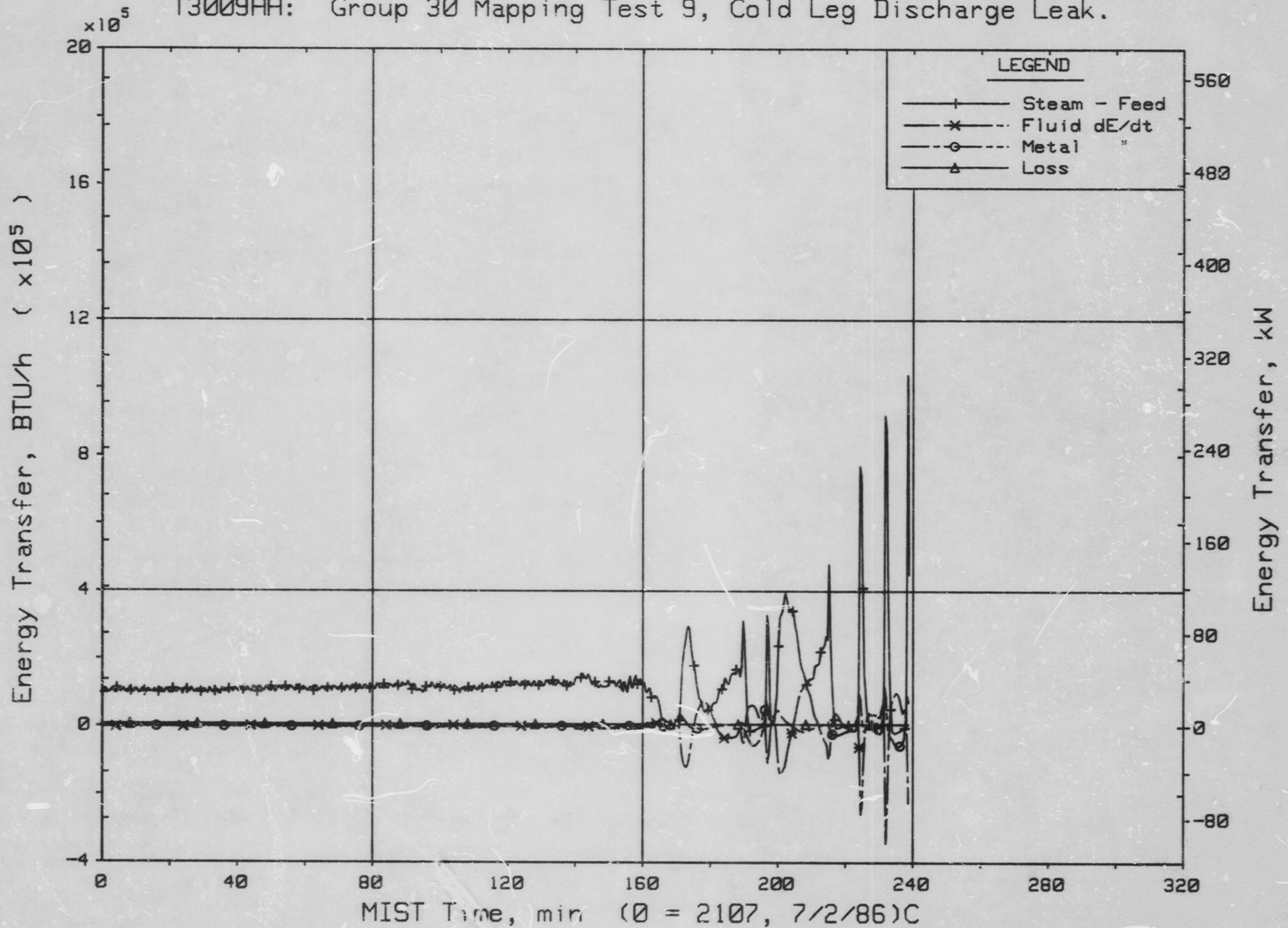
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Steam Generator Collapsed Liquid Levels.

FINAL DATA

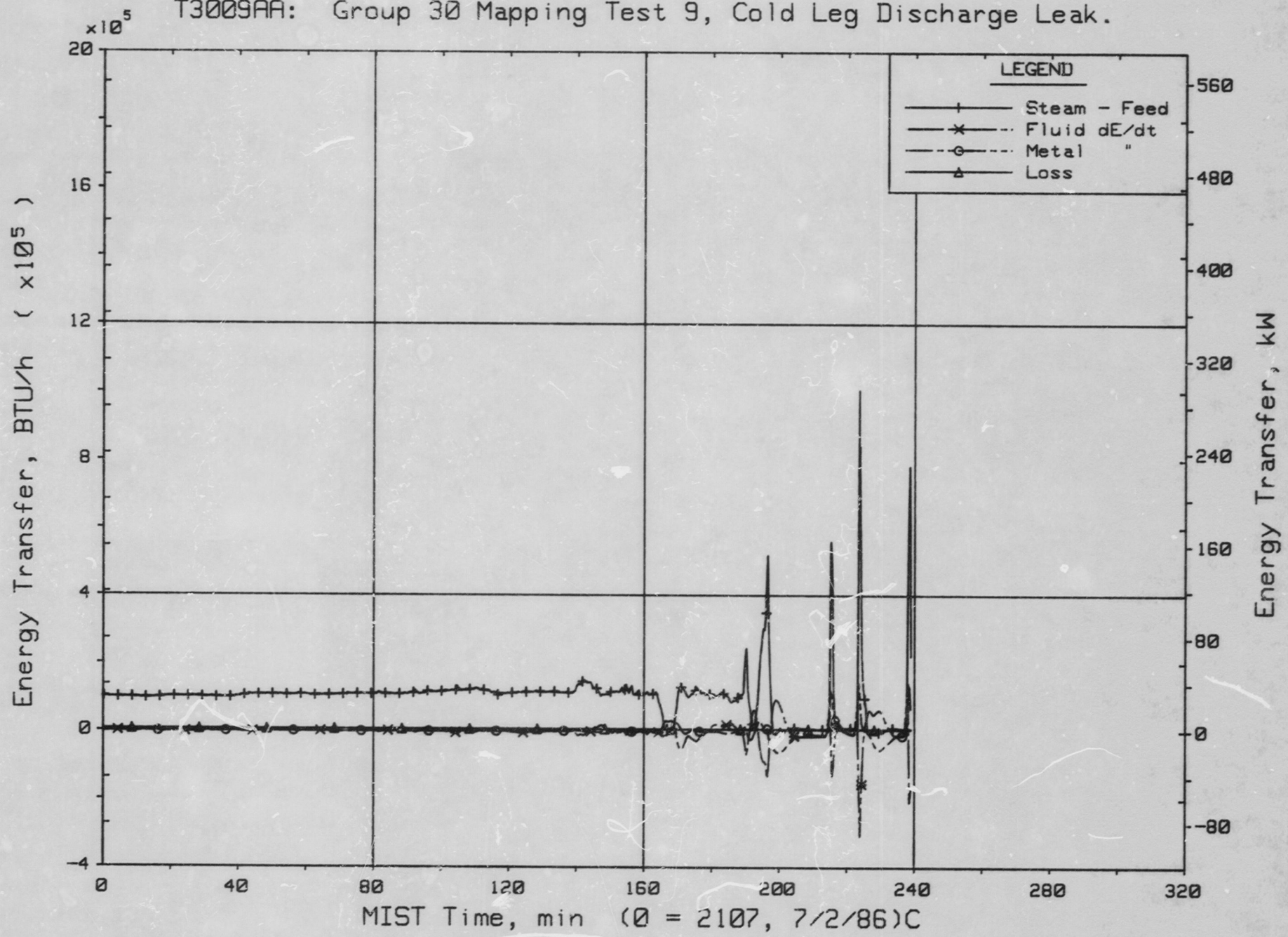
T3009AA: Group 30 Mapping Test 9, Cold Leg Discharge Leak.



Steam Generator A Energy Transfer.

FINAL DATA

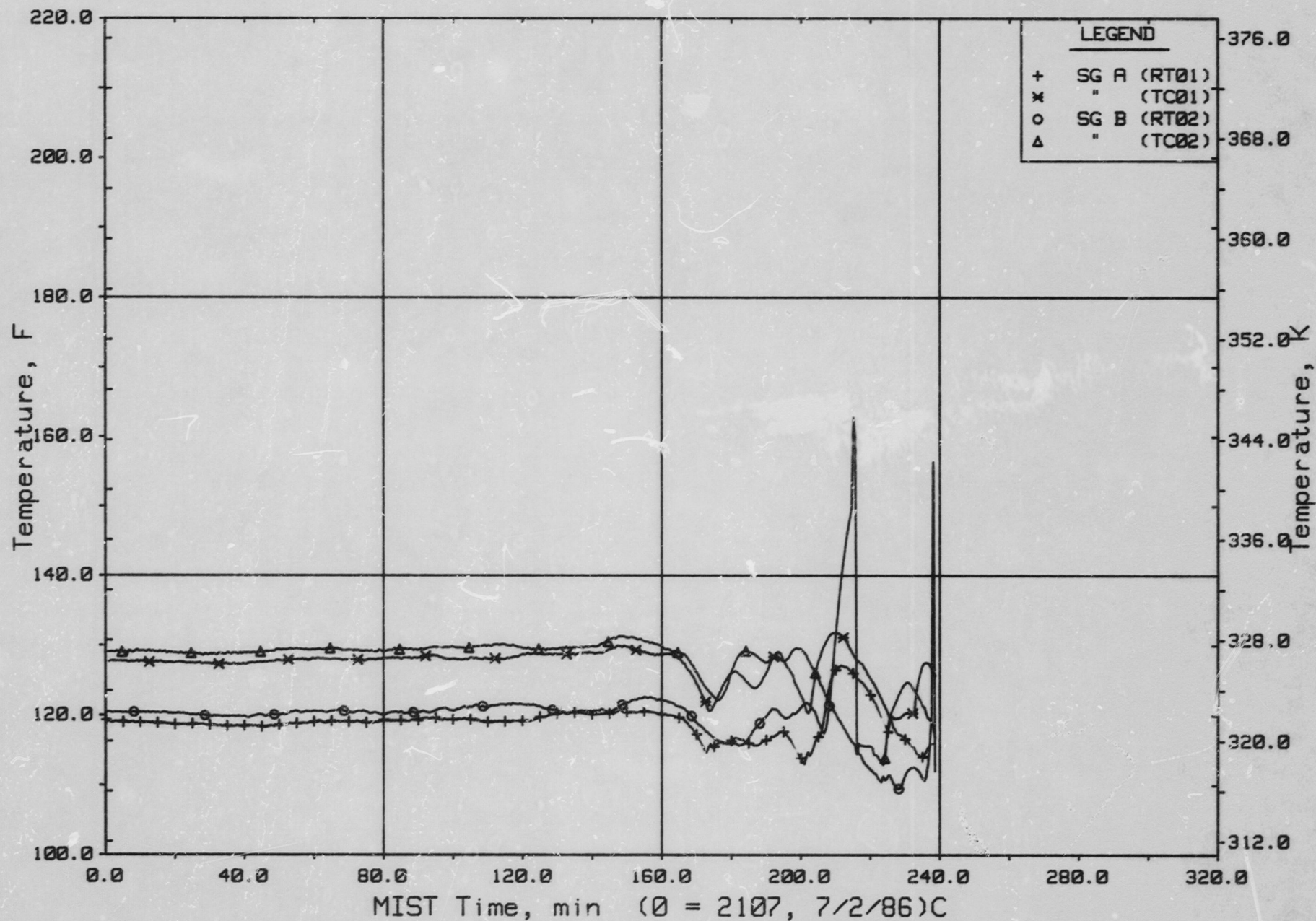
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Steam Generator B Energy Transfer.

FINAL DATA

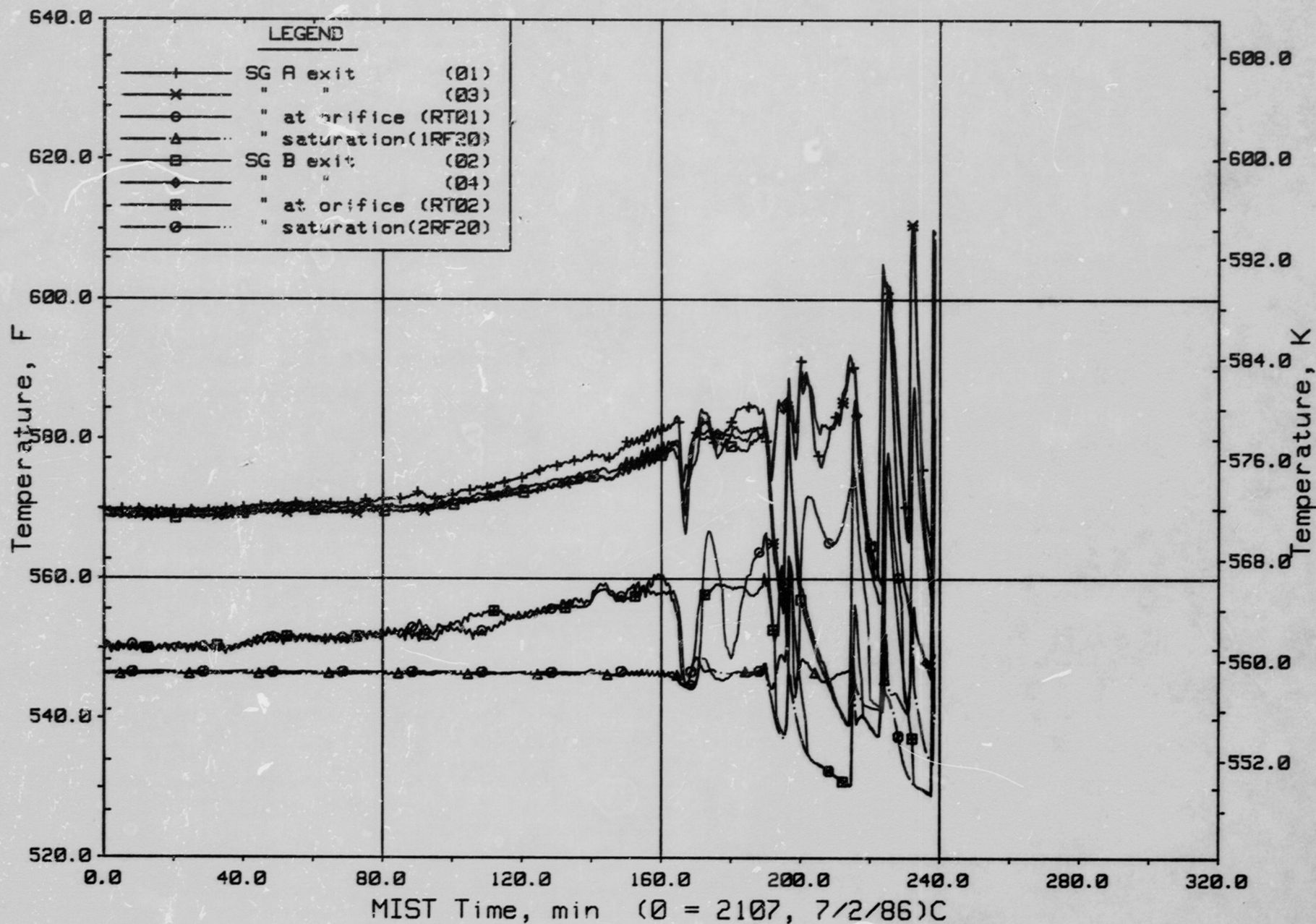
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Feedwater Temperatures (SFs).

FINAL DATA

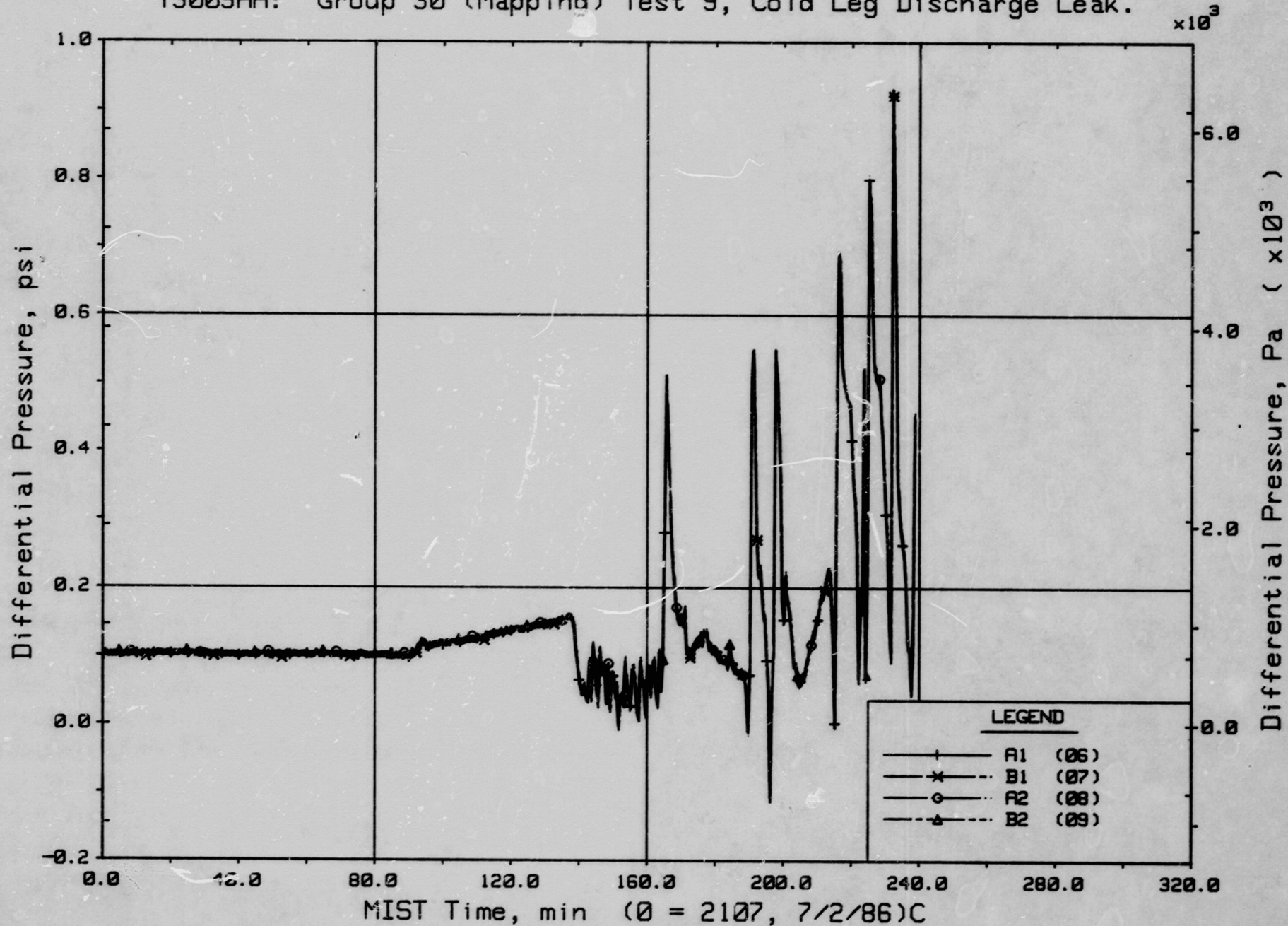
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Steam Generator Steam Outlet Temperatures (SSTCs).

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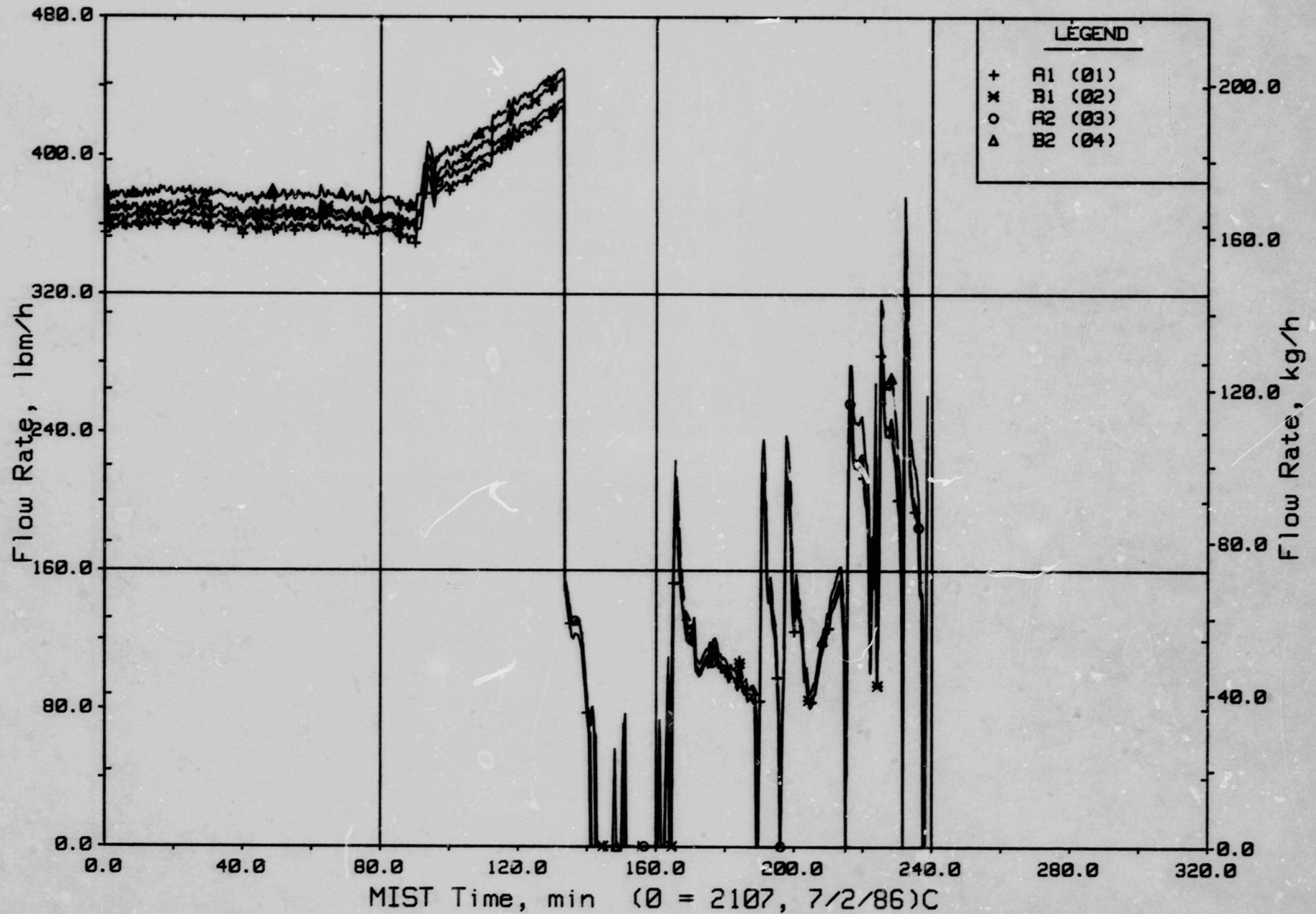
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Reactor Vessel Vent Valve Differential Pressures (RVDFs).

FINAL DATA

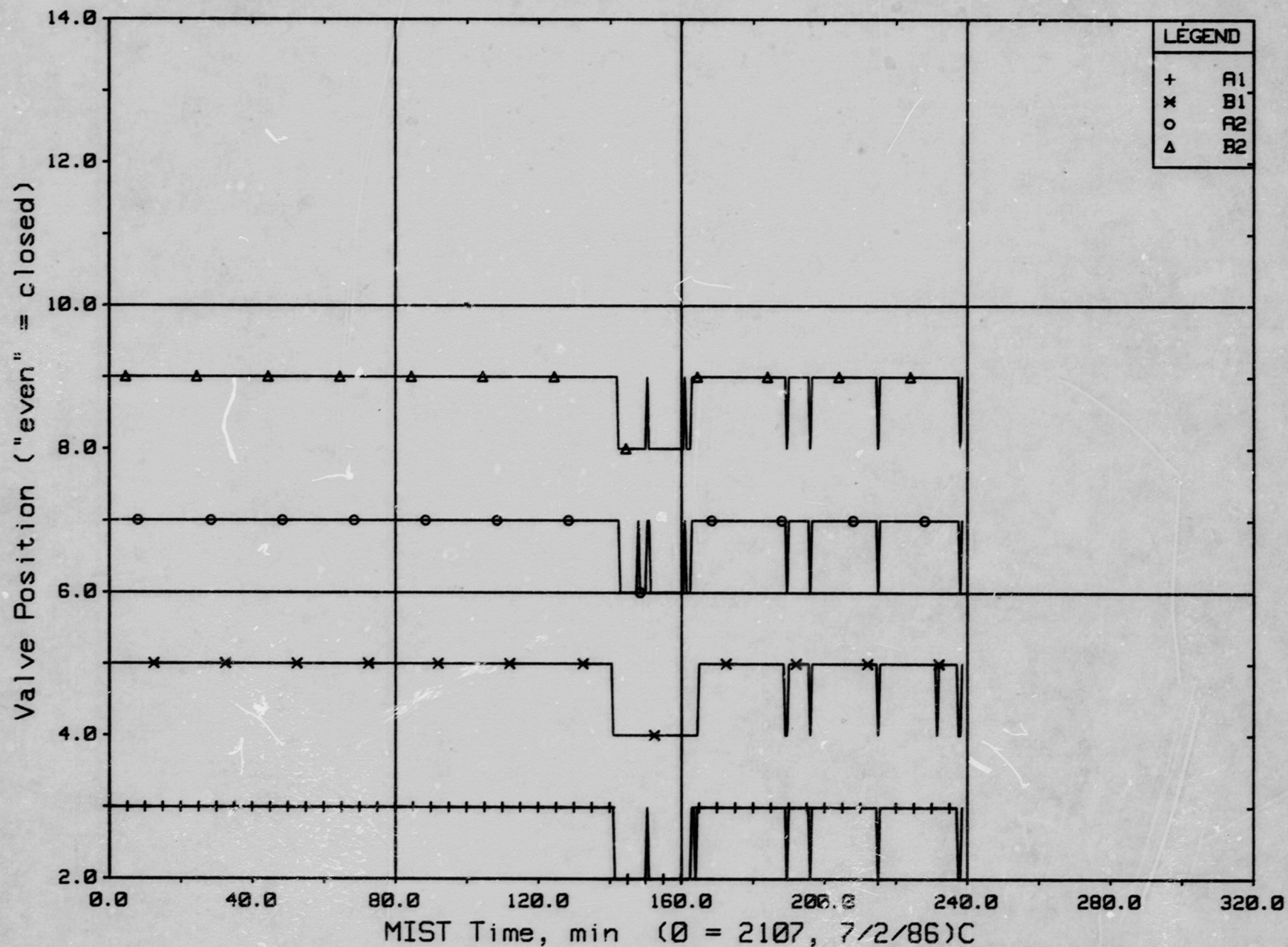
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Reactor Vessel Vent Valve Flow Rates (RVORs).

FINAL DATA

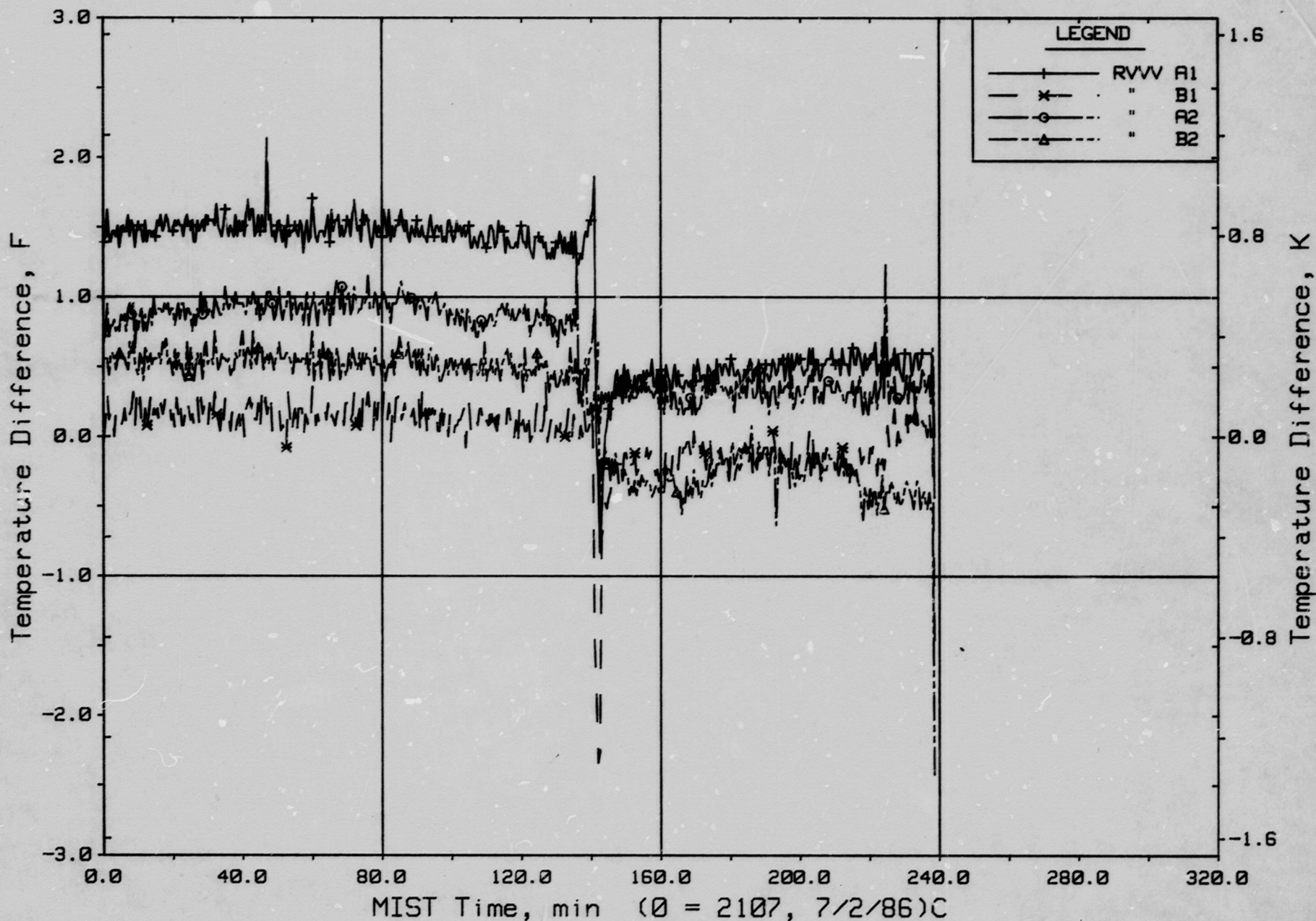
T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Reactor Vessel Vent Valve Positions.

FINAL DATA

T3009AA: Group 30 (Mapping) Test 9, Cold Leg Discharge Leak.



Temperature Differences Across Vent Valves.