

**GPU Nuclear**

Oyster Creek

EOC Scram Reactivity

Update - 5

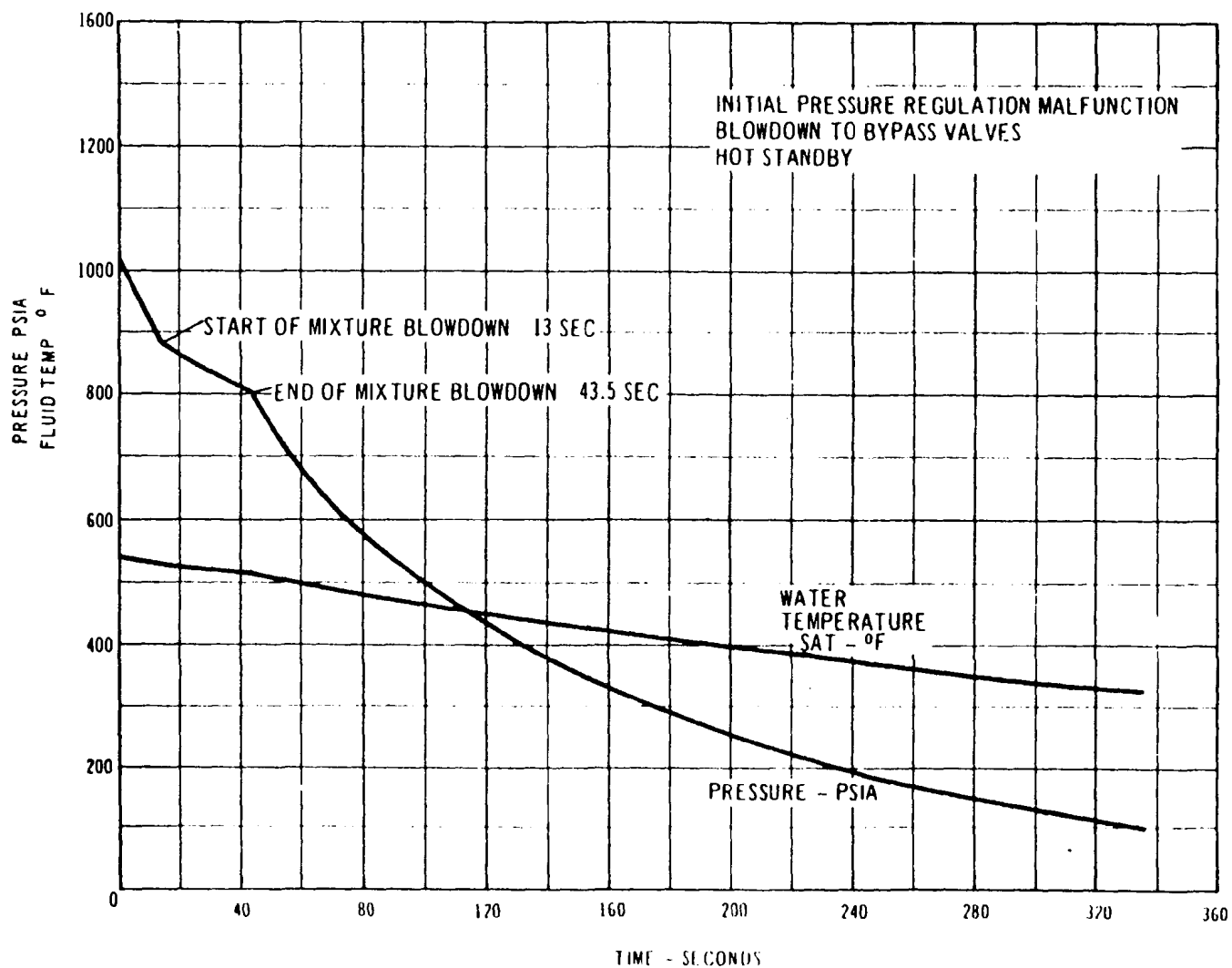
12/90

Fig. 15.1-1

## **OCNGS UFSAR**

Figures 15.1-2 through 15.1-3

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**GP2 Nuclear**

Oyster Creek

Pressure Regulator Malfunction - 1600 MWt

Update - 5

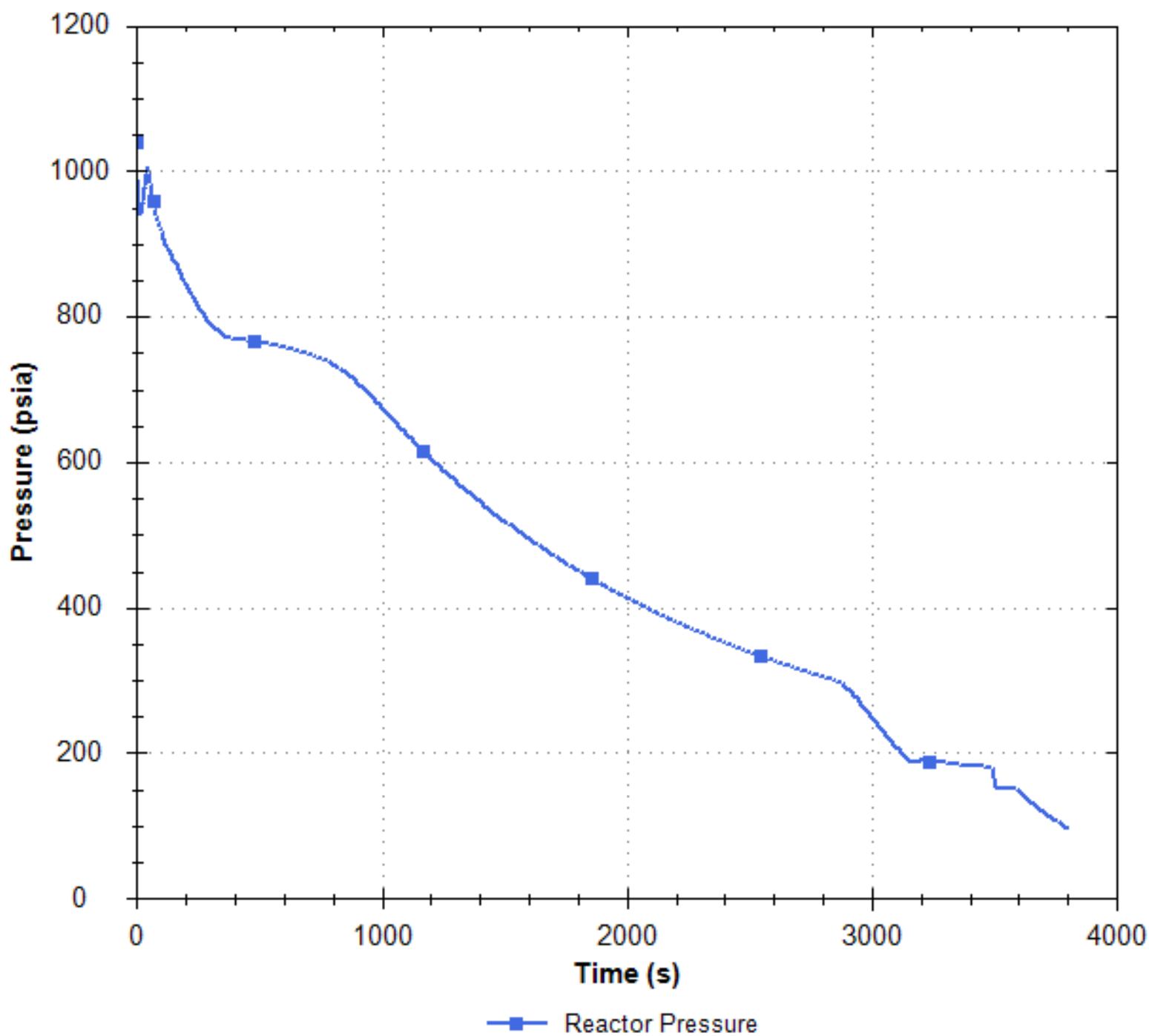
12/90

Fig. 15.1-4

## OCNGS UFSAR

Figures 15.2-1 through 15.2-7A

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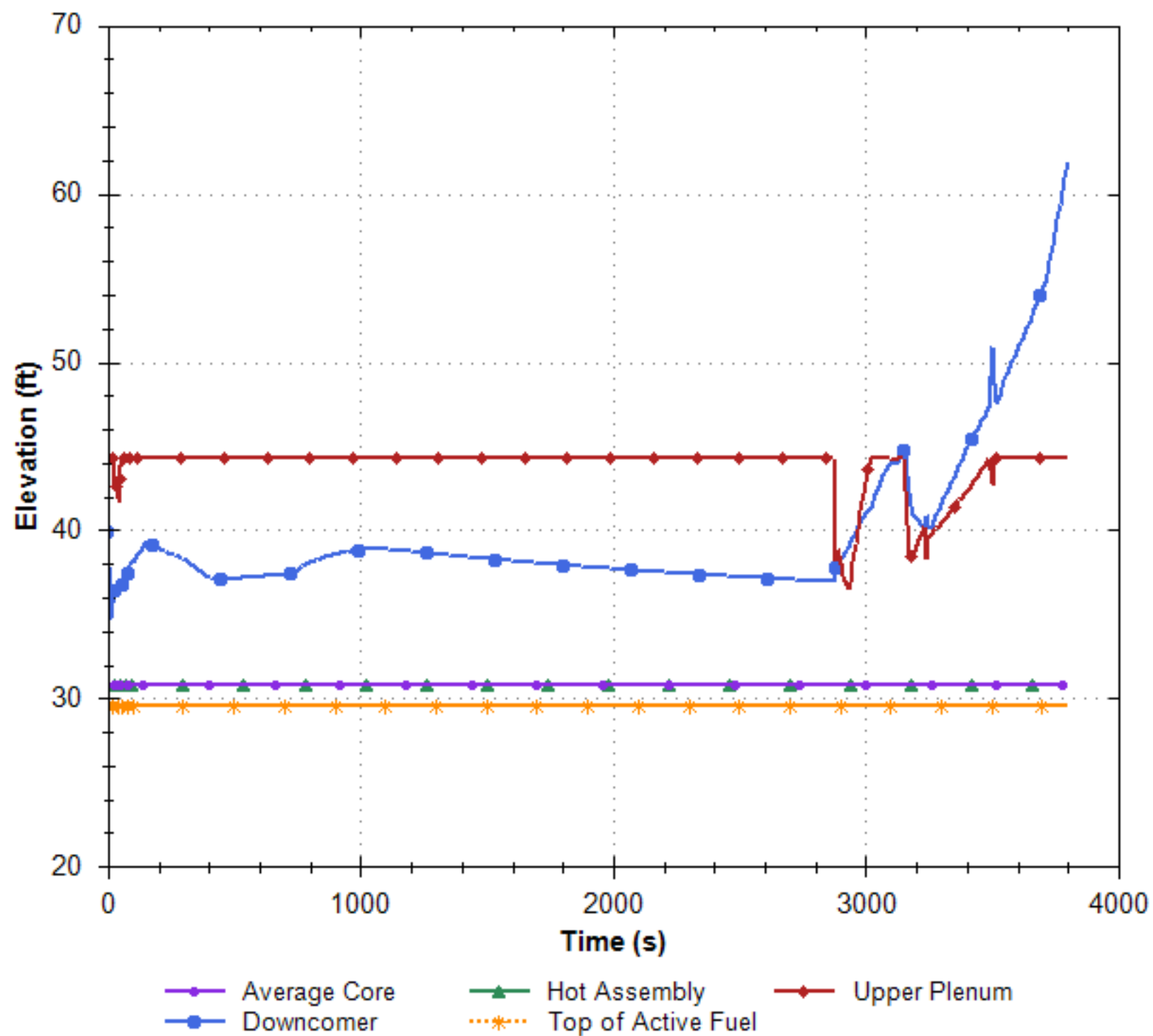


Oyster Creek Nuclear Generating Station  
Updated Final Safety Analysis Report

Changes in Vessel Pressure  
Loss of Feedwater

Figure 15.2-8

Rev. 18, 10/13

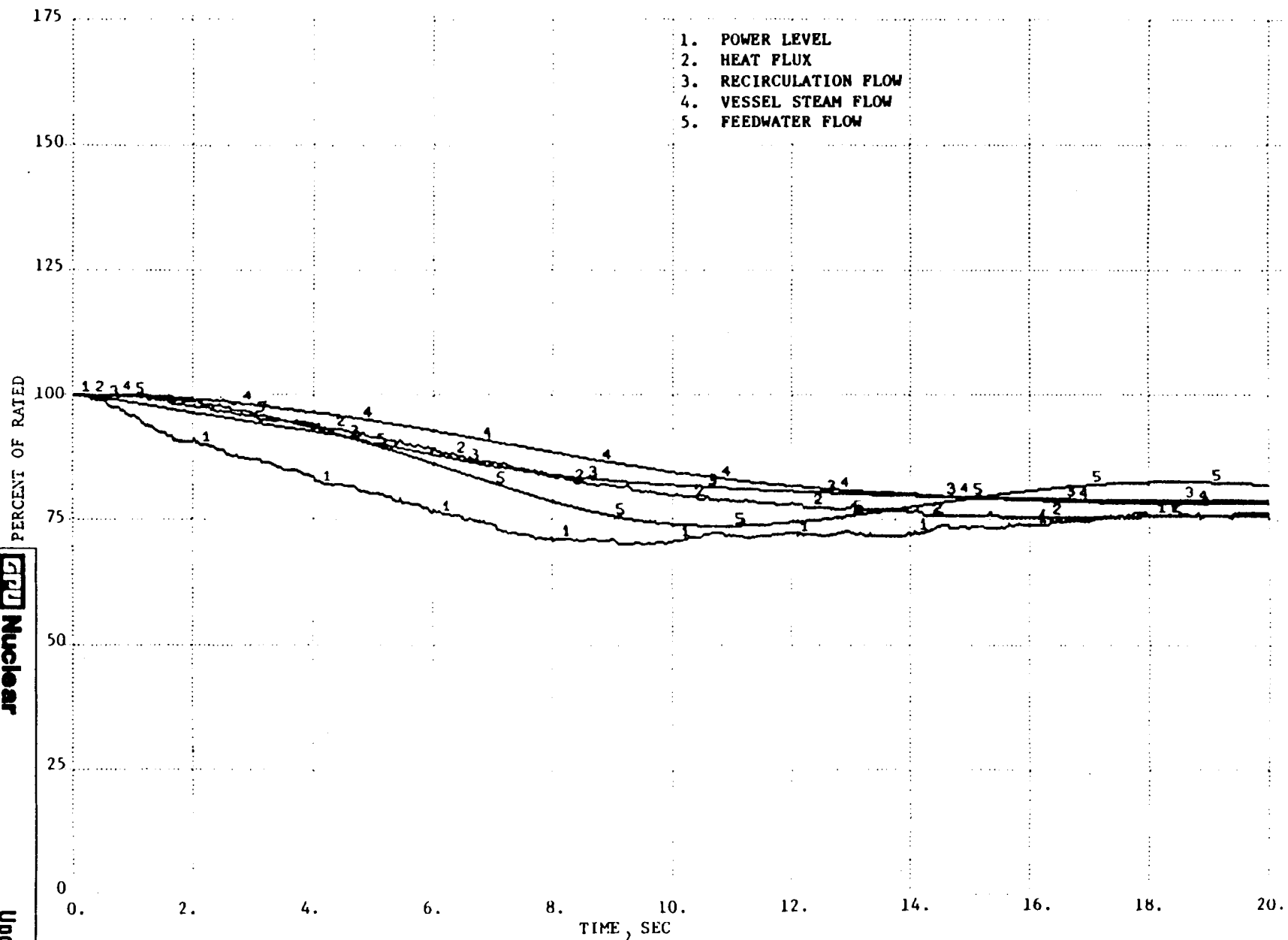


Oyster Creek Nuclear Generating Station  
Updated Final Safety Analysis Report

Changes in Vessel Water Level  
Loss of Feedwater

Figure 15.2-9

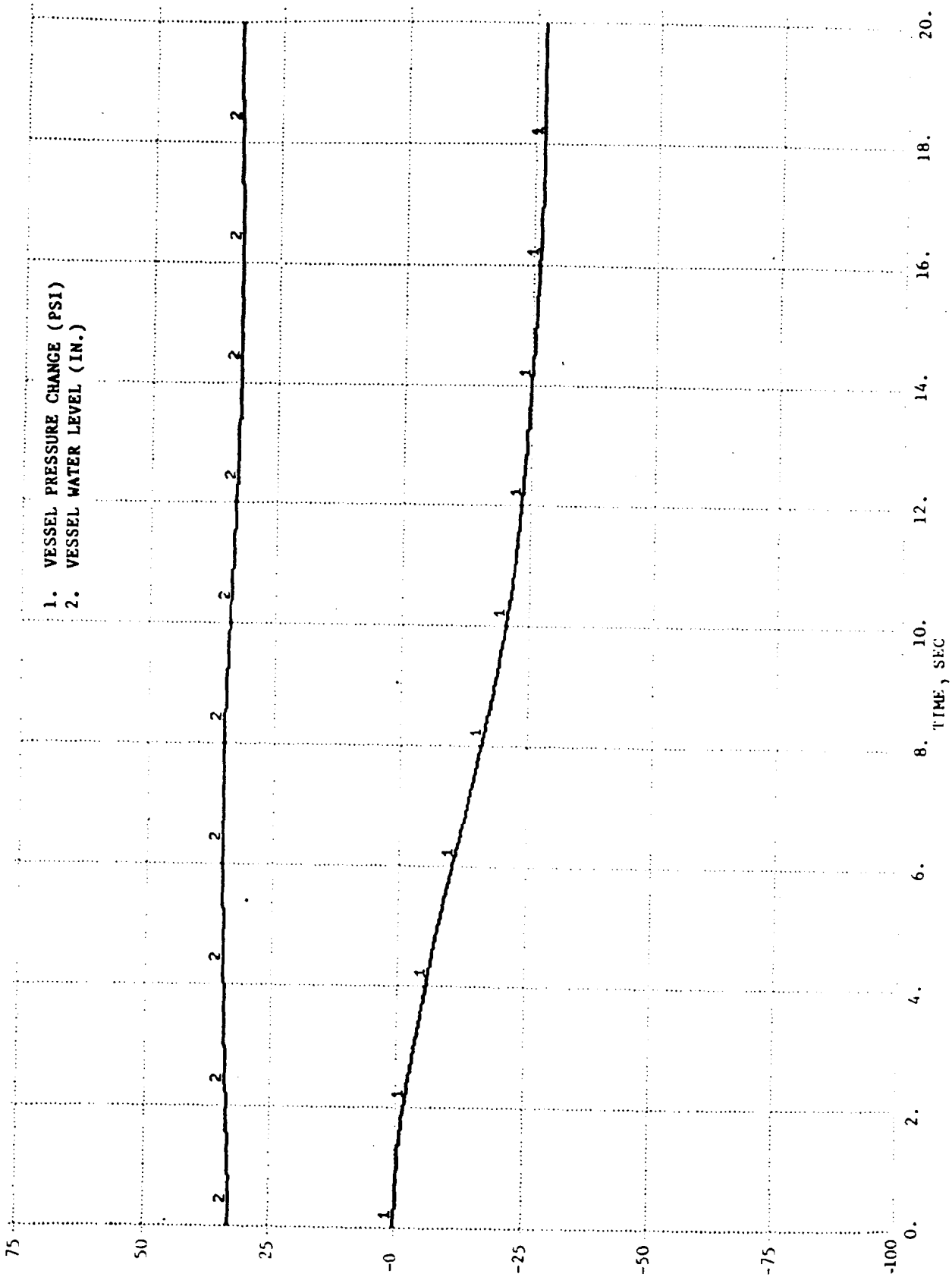
Rev. 18, 10/13



**GP Nuclear**  
Oyster Creek  
Tip of One Recirculation Pump —  
Type VB (8x8) Exxon Nuclear Fuel

Update - 5  
12/90

Fig. 15.3-1



**GPU Nuclear**

Update - 5

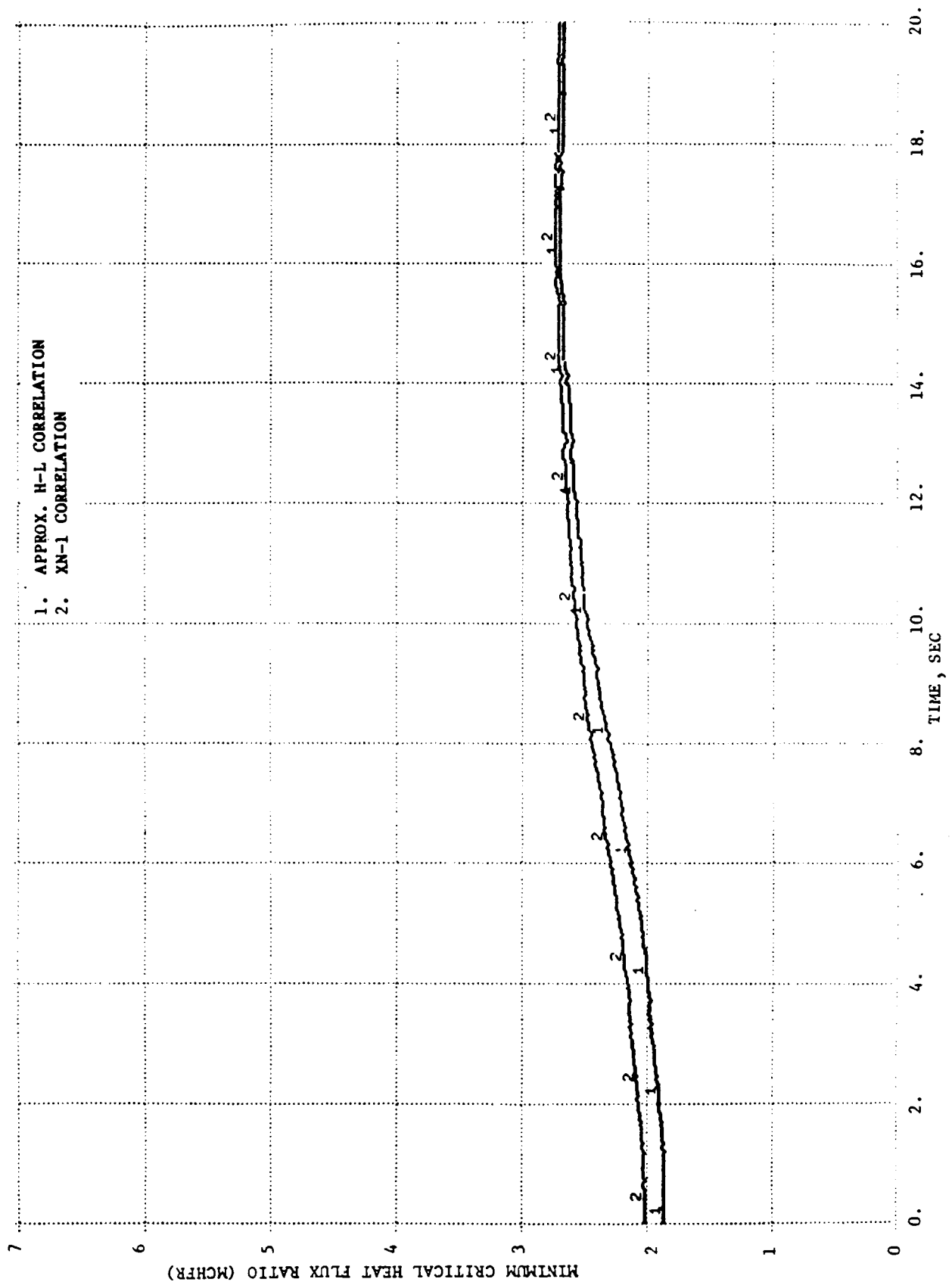
Oyster Creek

12/90

Trip of One Recirculation Pump —  
Type VB (8x8) Exxon Nuclear Fuel

Fig. 15.3-2





**GPU Nuclear**

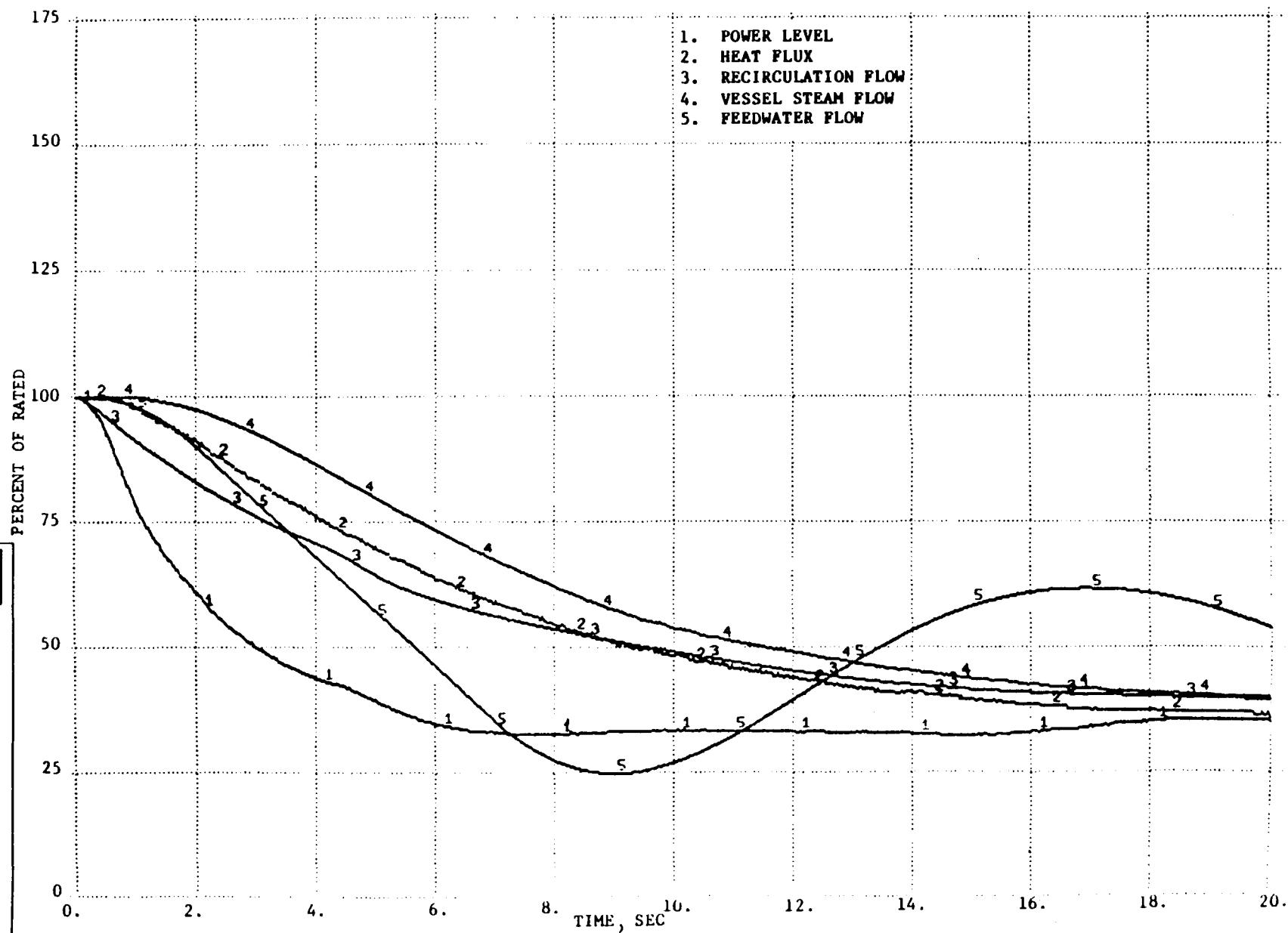
Oyster Creek

Update - 5

12/90

Trip of One Recirculation Pump —  
Type VB (8x8) Exxon Nuclear Fuel

Fig. 15.3-3

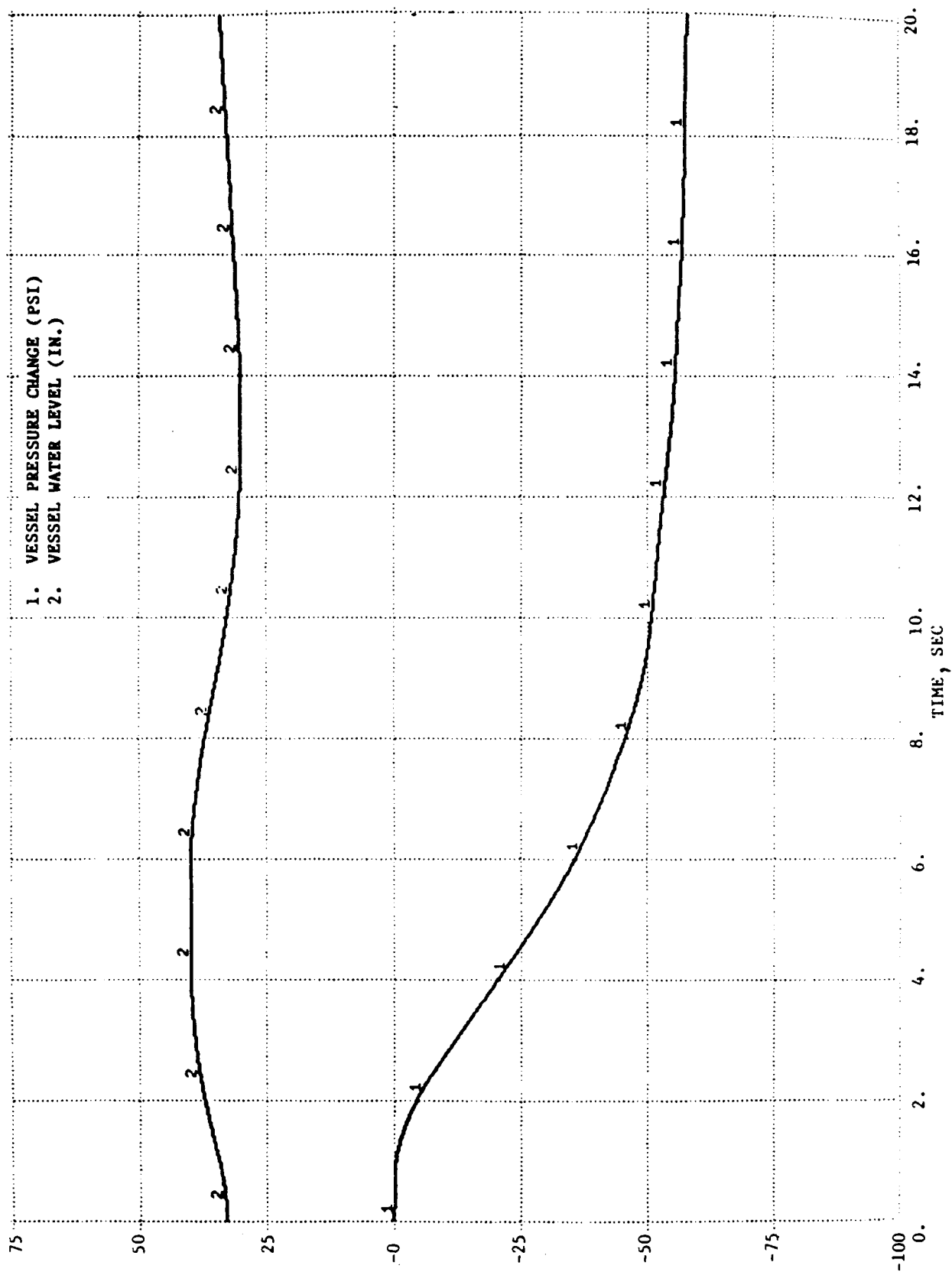


**GP Nuclear**  
Oyster Creek  
Trip of Five Recirculation Pumps -  
Type VB (8x8) Exxon Nuclear Fuel

Update - 5

12/90

Fig. 15.3-4



**GPU Nuclear**

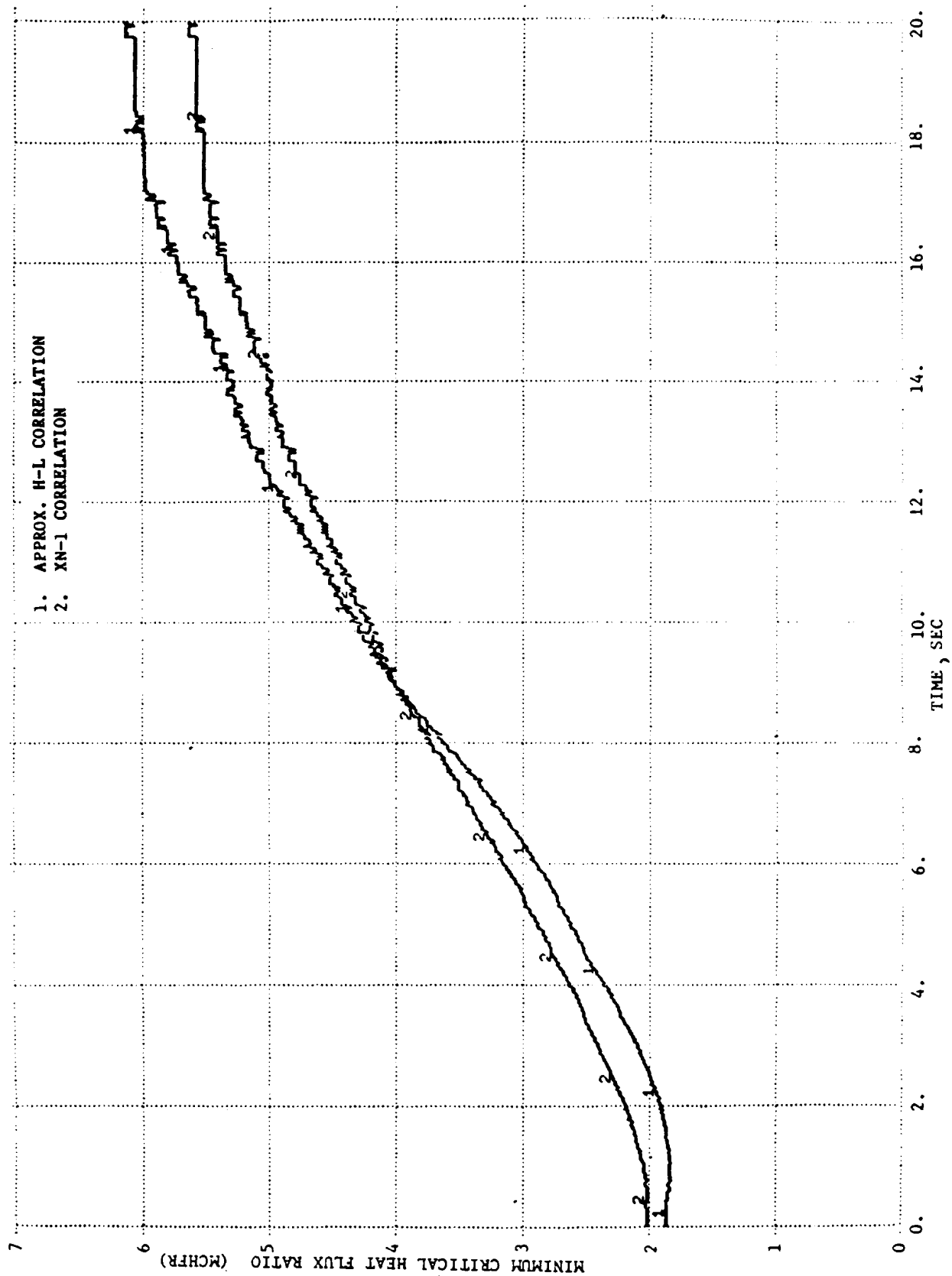
Update - 5

Oyster Creek

12/90

Trip of Five Recirculation Pumps —  
Type VB (8x8) Exxon Nuclear Fuel

Fig. 15.3-5



**GPU Nuclear**

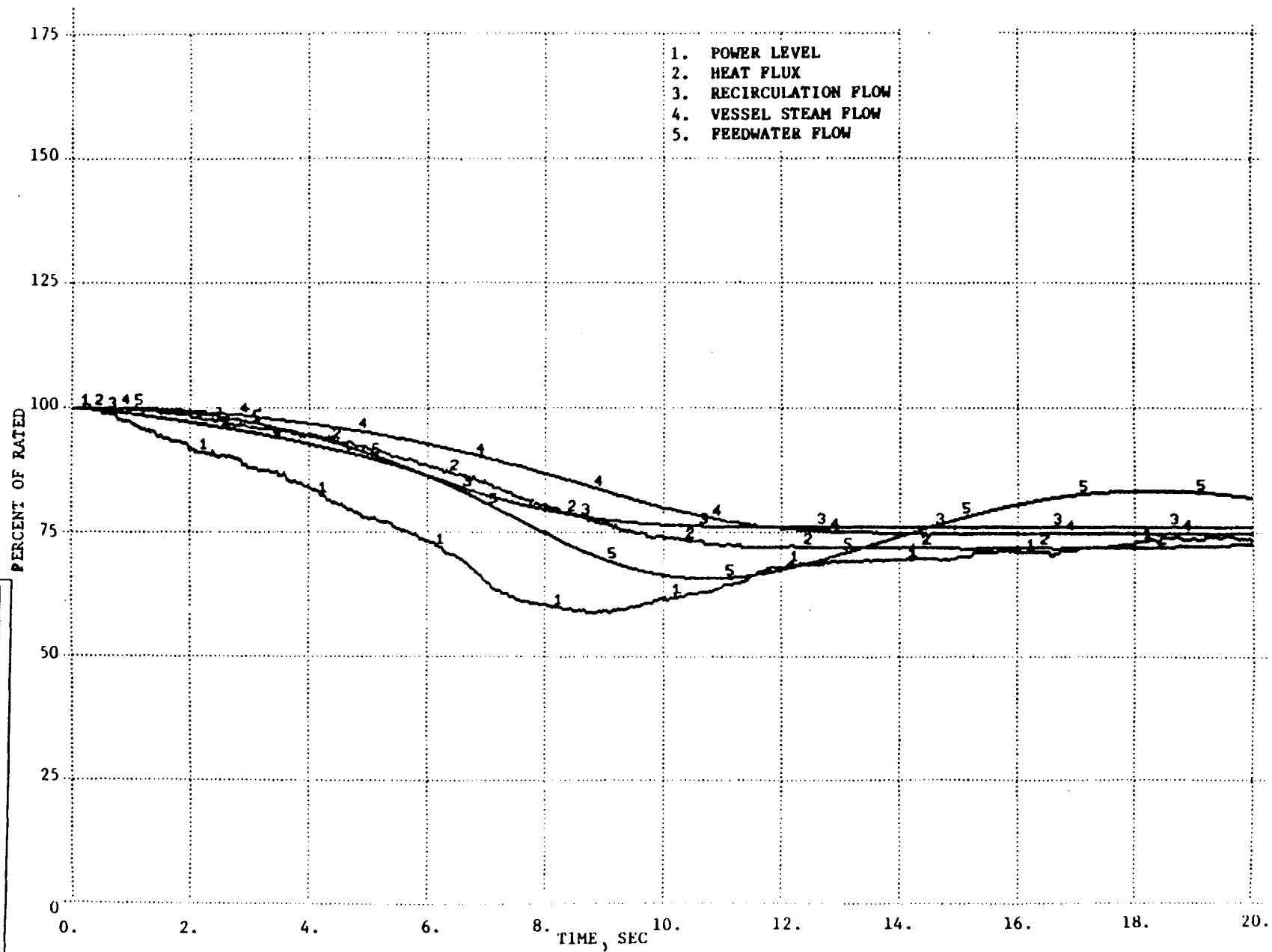
**Oyster Creek**

**Trip of Five Recirculation Pumps —  
Type VB (8x8) Exxon Nuclear Fuel**

**Update - 5**

**12/90**

**Fig. 15.3-6**

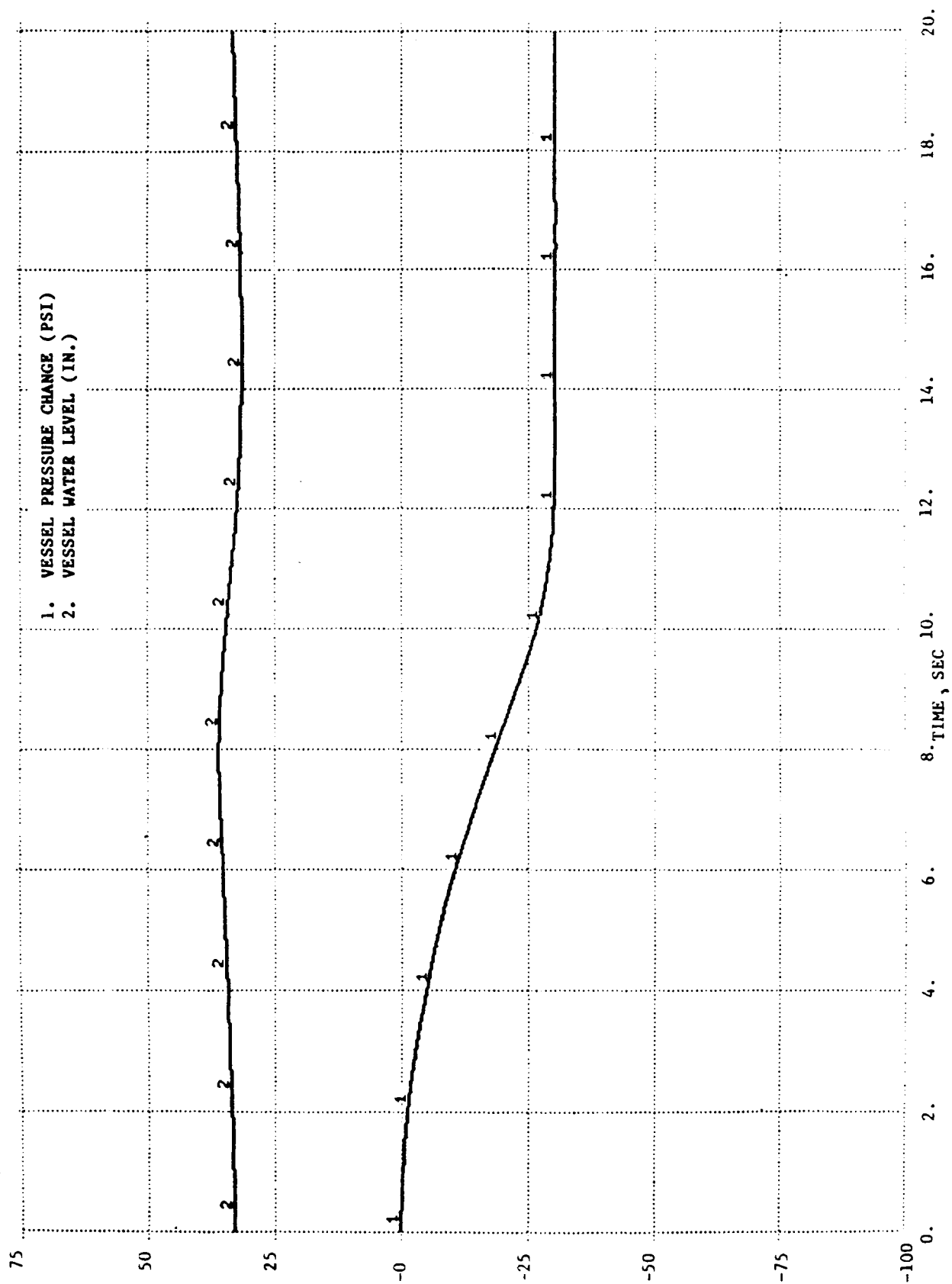


**GP Nuclear**  
Oyster Creek  
Flow Controller Malfunction  
(Zero Flow Demand) — Type VB  
(8x8) Exxon Nuclear Fuel

Update - 5

12/90

Fig. 15.3-7



**GPU Nuclear**

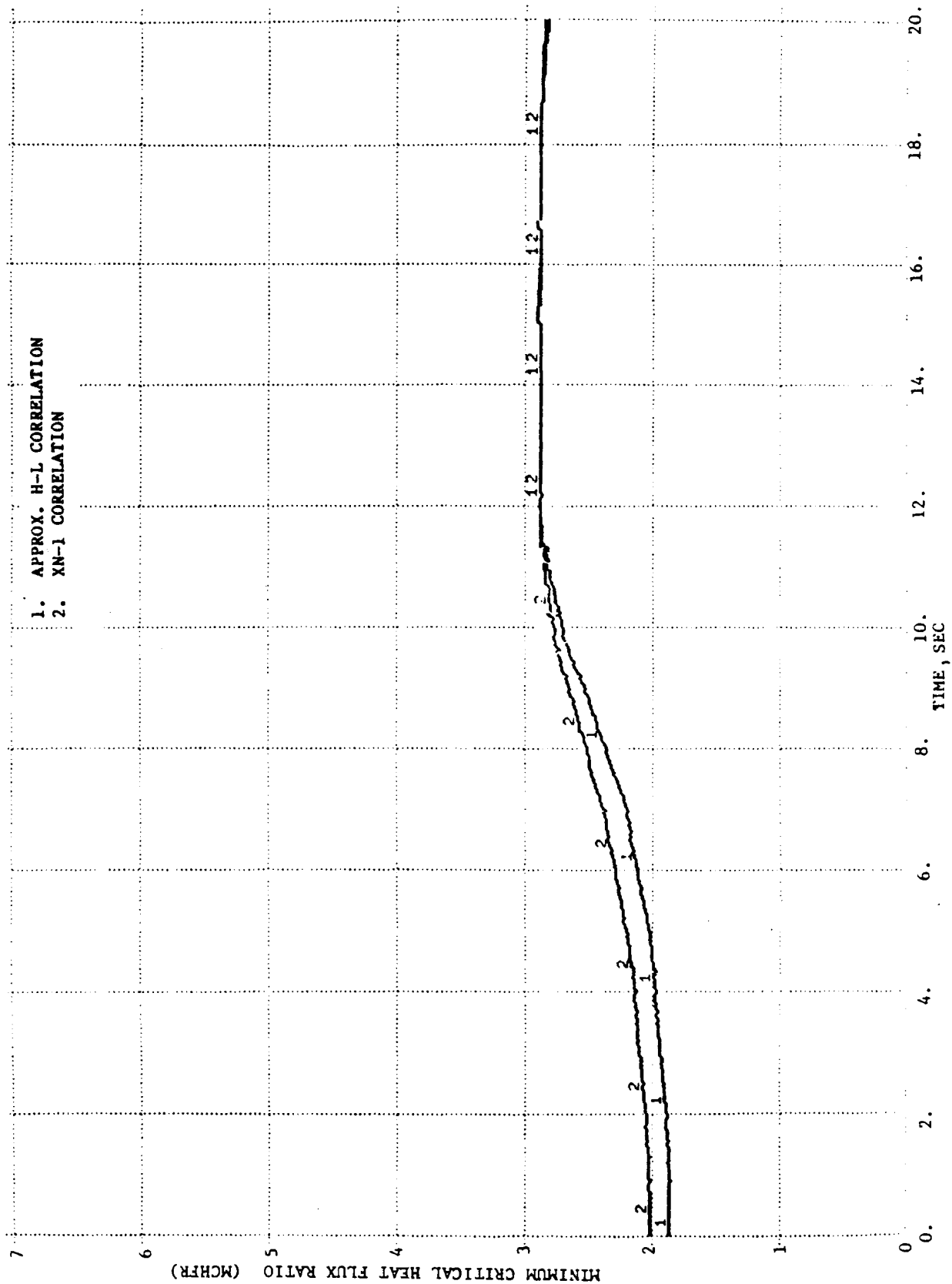
Update - 5

Oyster Creek

12/90

Flow Controller Malfunction  
(Zero Flow Demand) — Type VB  
(8x8) Exxon Nuclear Fuel

Fig. 15.3-8



**GPU Nuclear**

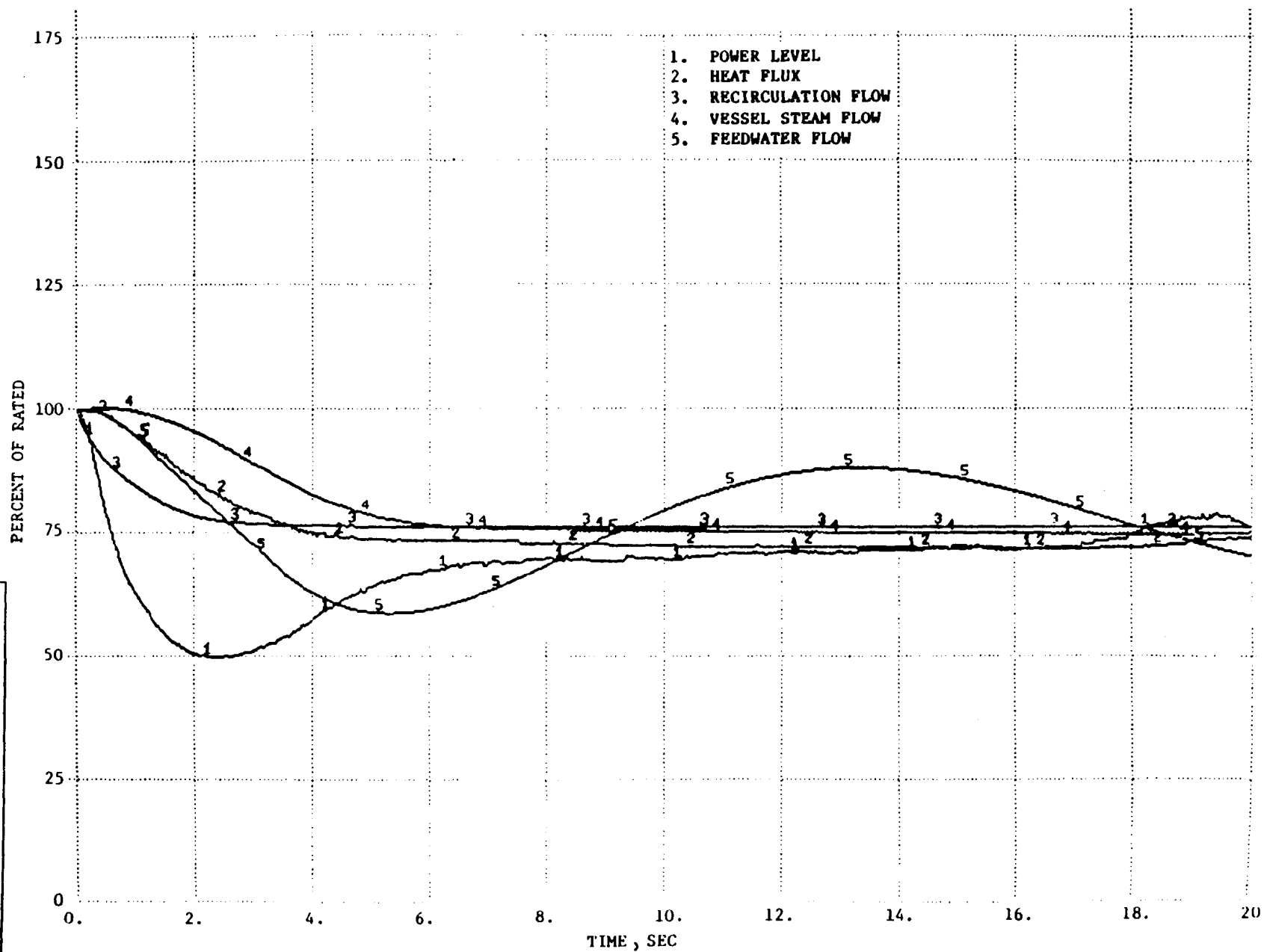
Update - 5

Oyster Creek

12/90

Flow Controller Malfunction  
(Zero Flow Demand) — Type VB  
(8x8) Exxon Nuclear Fuel

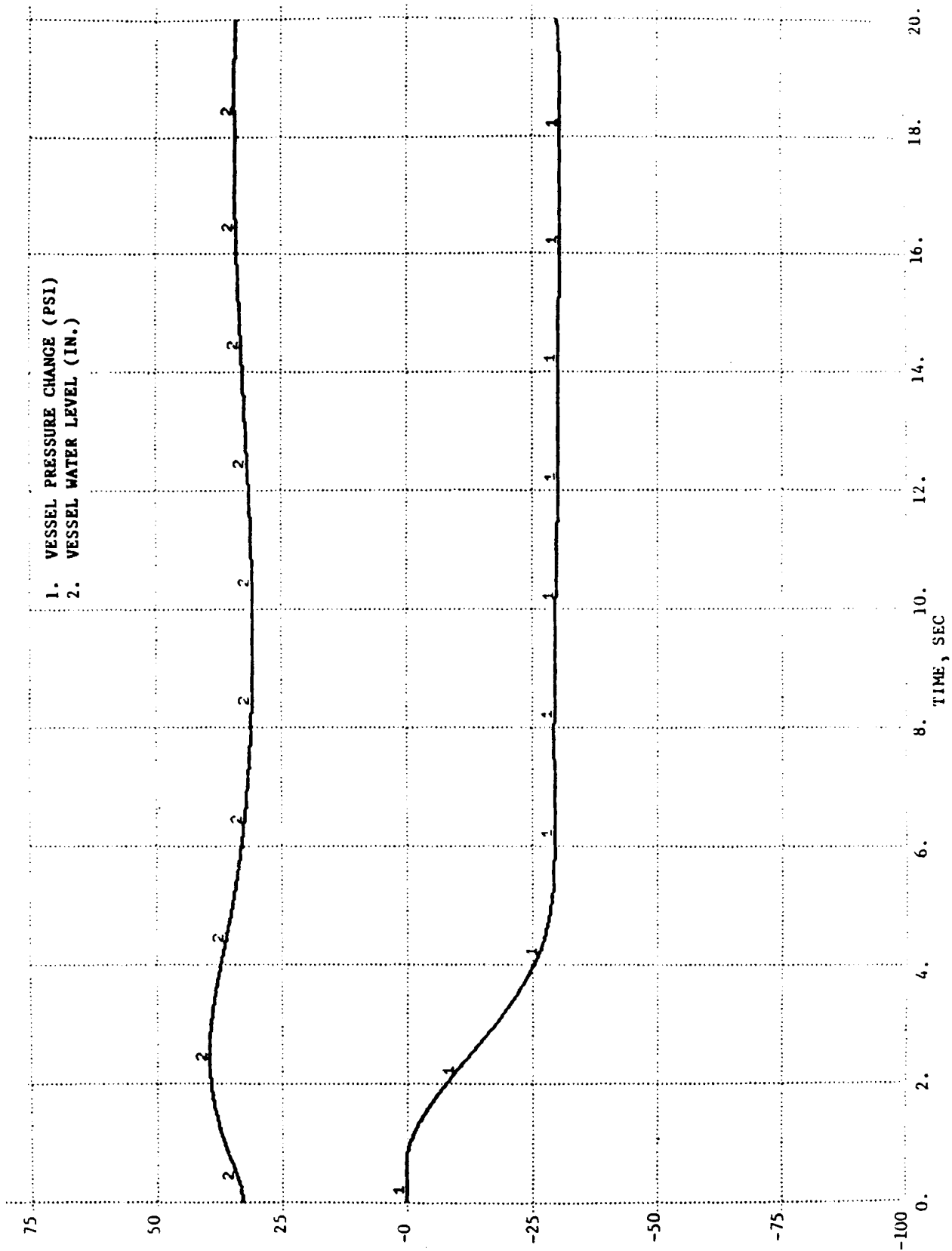
Fig. 15.3-9



**GE Nuclear**  
Oyster Creek  
Recirculation Pump Stall —  
Type VB (8x8) Exxon Nuclear Fuel

Update - 5  
12/90  
Fig. 15.3-10





**GPU Nuclear**

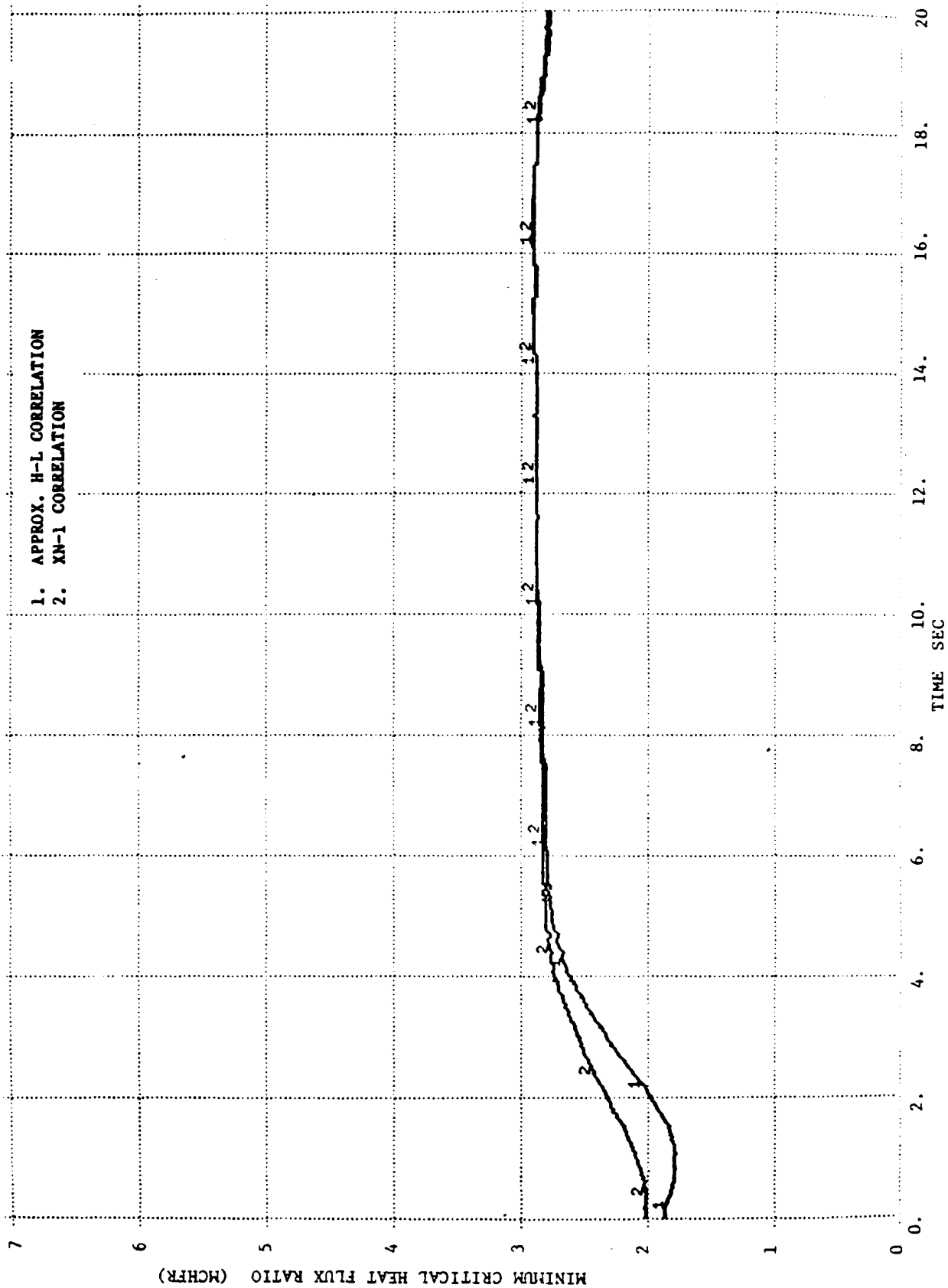
Update - 5

Oyster Creek

12/90

Recirculation Pump Stall —  
Type VB (8x8) Exxon Nuclear Fuel

Fig. 15.3-11



**GPU Nuclear**

Oyster Creek

Recirculation Pump Stall —  
Type VB (8x8) Exxon Nuclear Fuel

Update - 5

12/90

Fig. 15.3-12

Oyster Creek Nuclear Generating Station

Figure 15.4-1

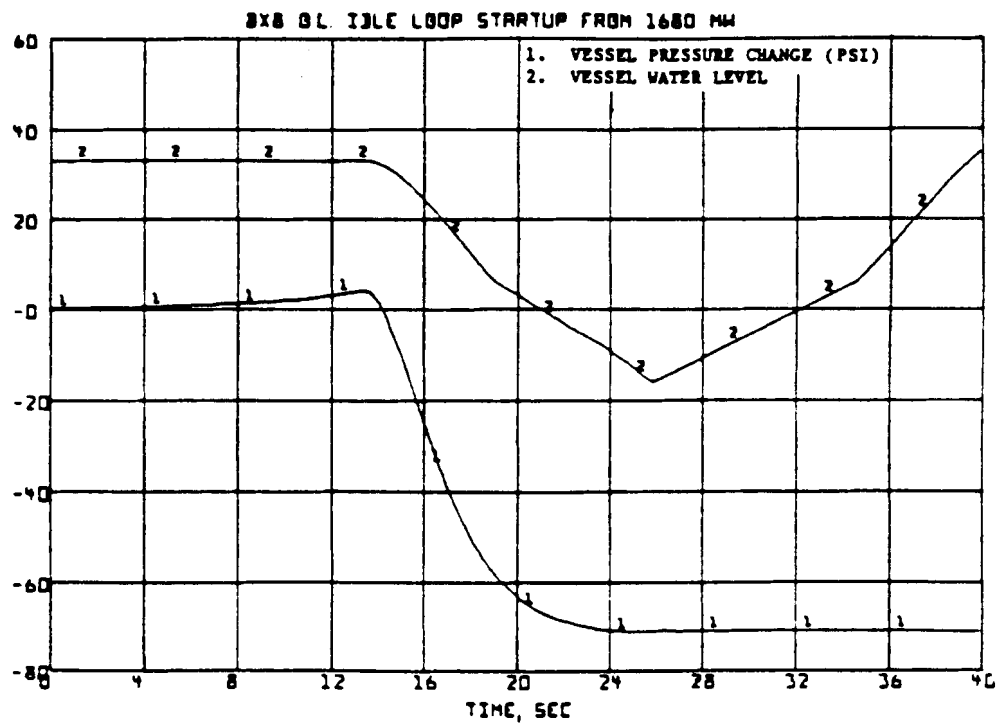
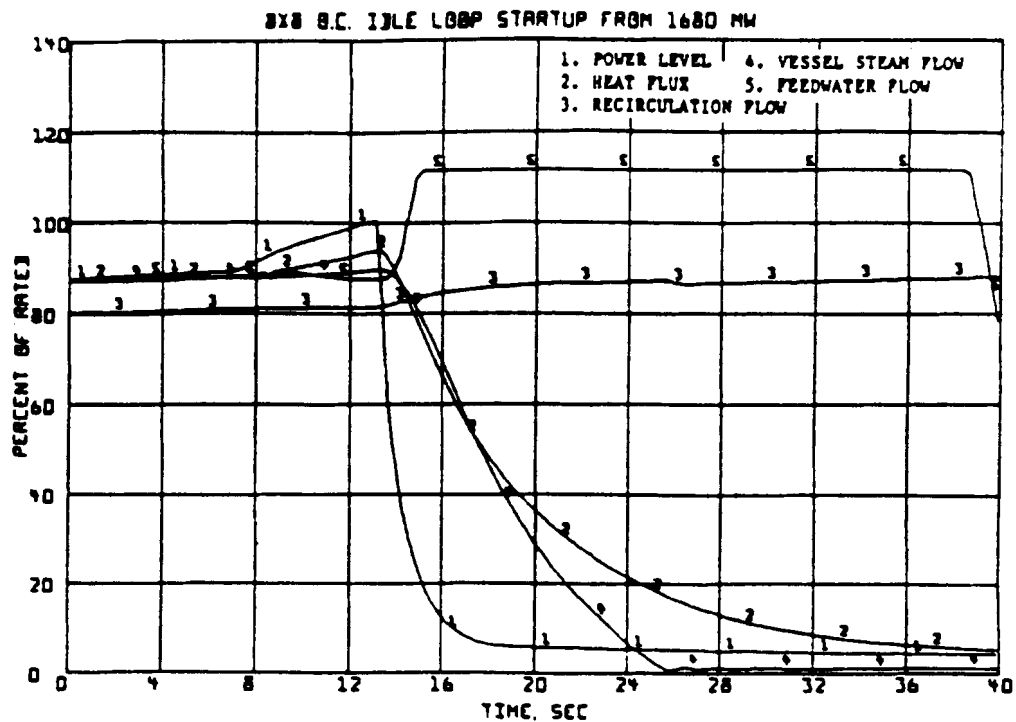
**DELETED**

**Oyster Creek Nuclear Generating Station  
Updated Final Safety Analysis Report**

**Limiting Rod Withdrawal Error Rod Pattern**

**Figure 15.4-1**

**Rev. 19, 10/15**



**GPU Nuclear**

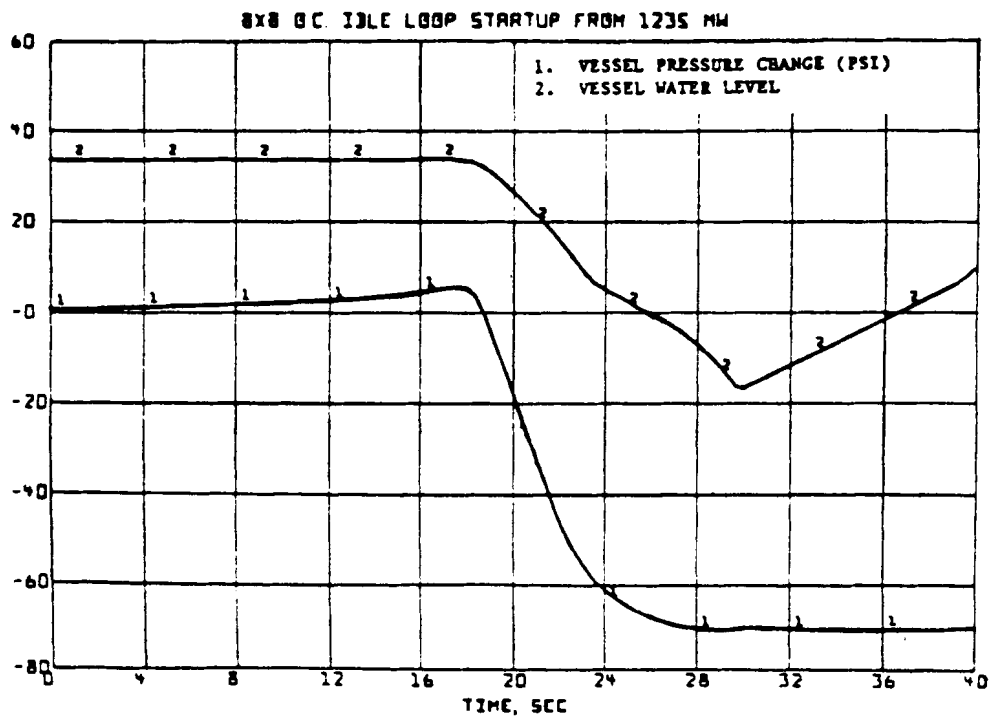
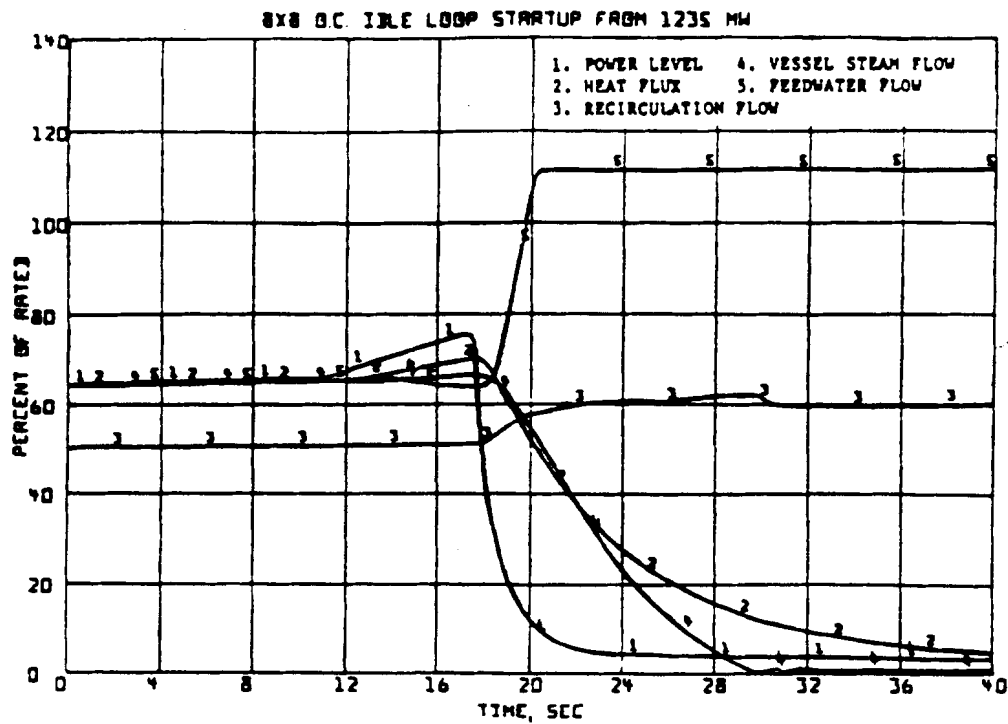
**Oyster Creek**

Idle Loop Startup From 1680 MW —  
Type VB (8x8) Exxon Nuclear Fuel

Update - 5

12/90

Fig. 15.4-3



**GPU Nuclear**

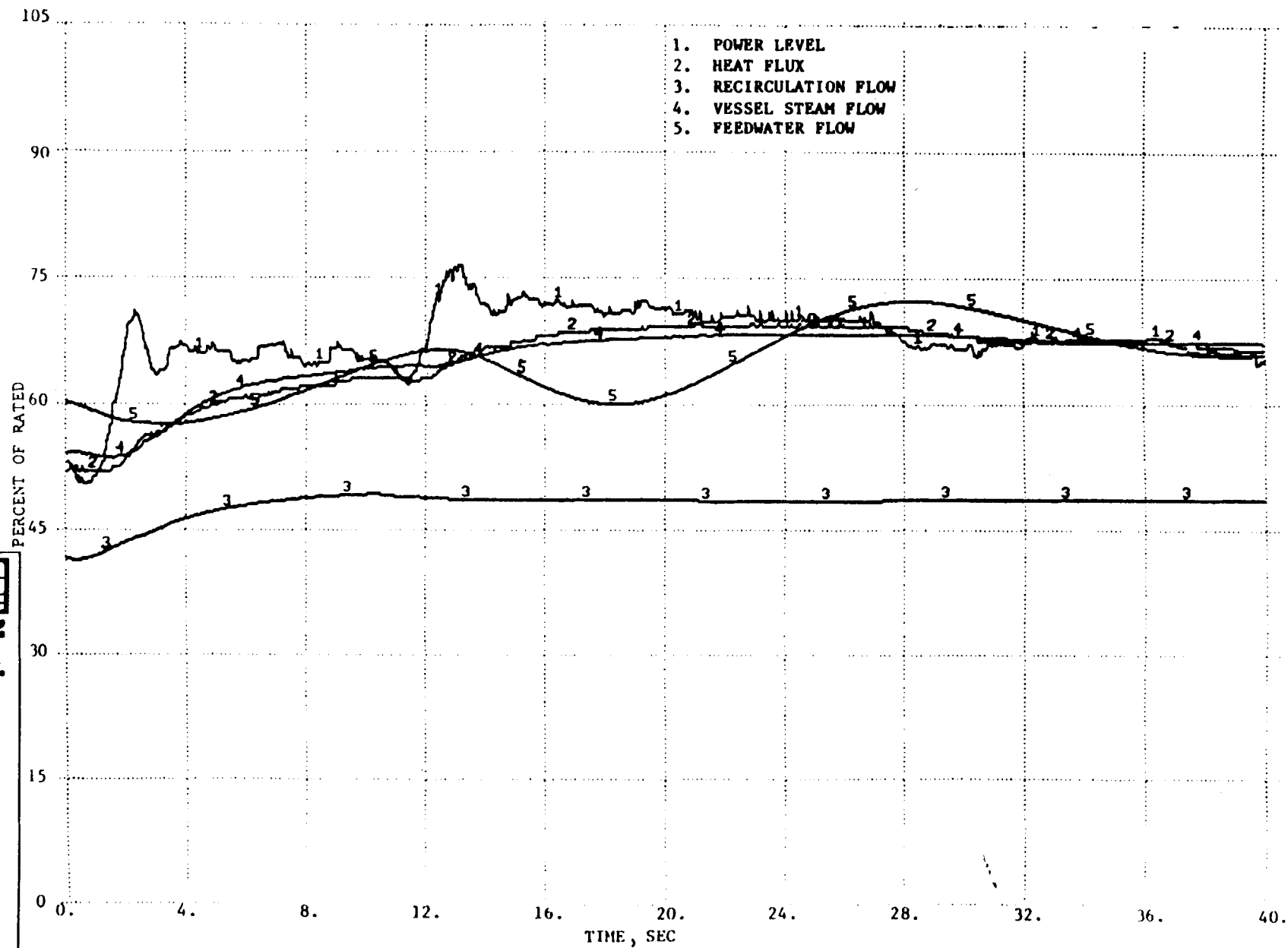
Oyster Creek

Idle Loop Startup From 1235 MW1 —  
Type VB (8x8) Exxon Nuclear Fuel

Update - 5

12/90

Fig. 15.4-4



**GP Nuclear**

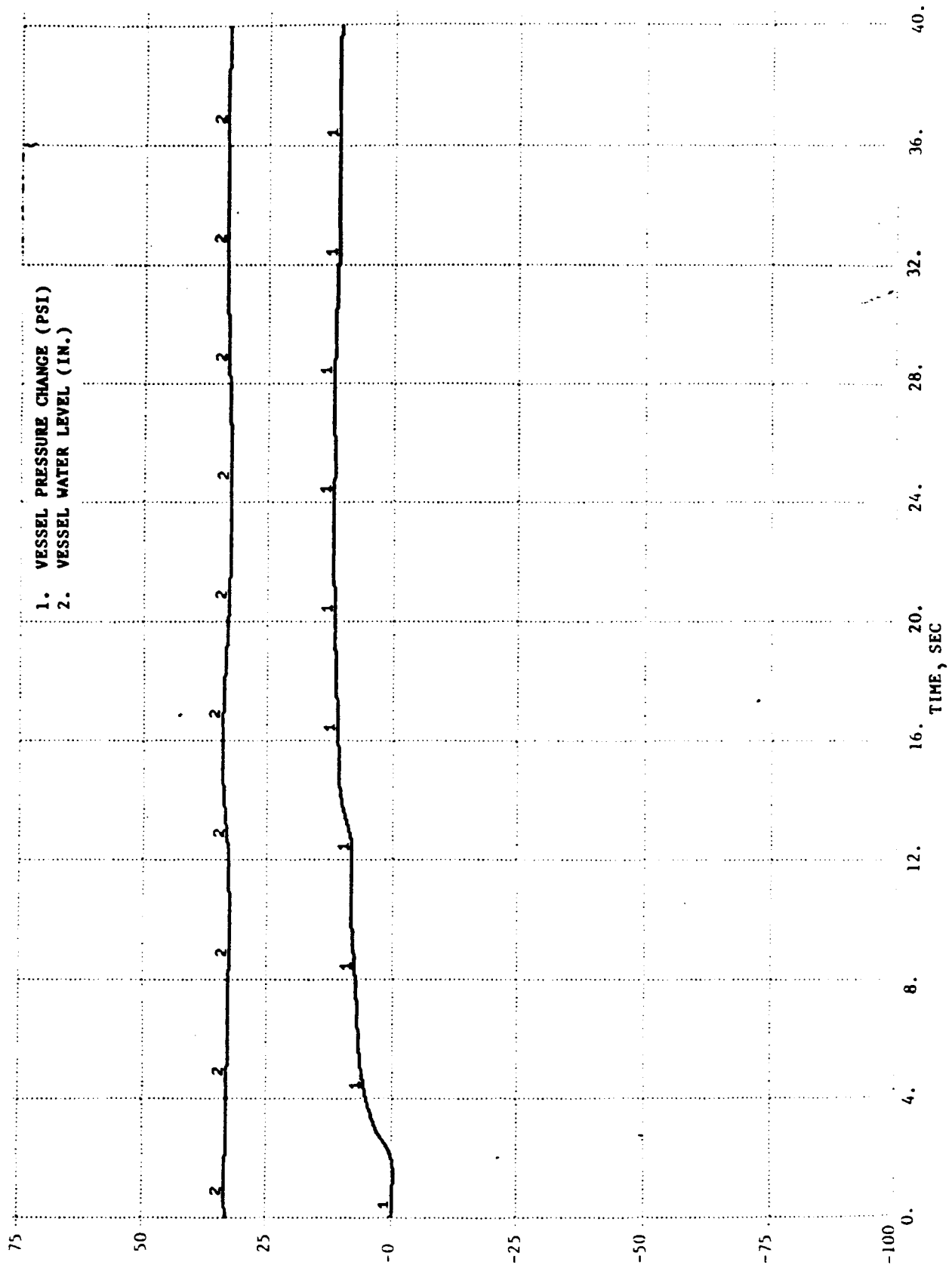
Oyster Creek

Update - 5

12/90

Flow Controller Malfunction (Maximum Flow Demand From 1025 MW) — Type VB (8x8) Exxon Nuclear Fuel

Fig. 15.4-5



**GPU Nuclear**

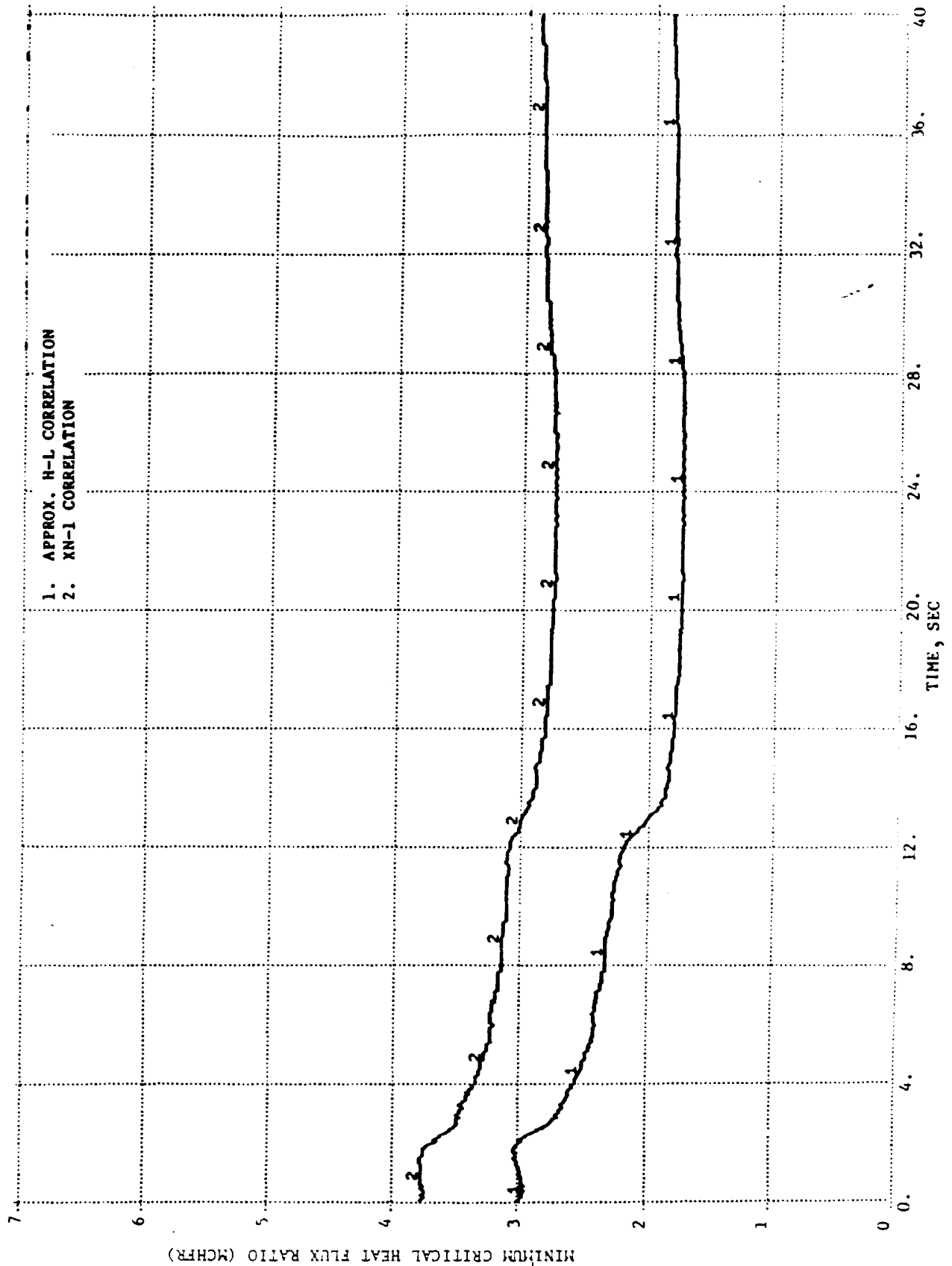
Update - 5

Oyster Creek

12/90

Flow Controller Malfunction (Maximum Flow  
Demand from 1025 MWt) — Type VB (8x8)  
Exxon Nuclear Fuel

Fig. 15.4-6



**GPU Nuclear**

**Oyster Creek**

Flow Controller Malfunction (Maximum Flow  
Demand From 1025 MWt) — Type VB (8x8)  
Exxon Nuclear Fuel

Update - 5

12/90

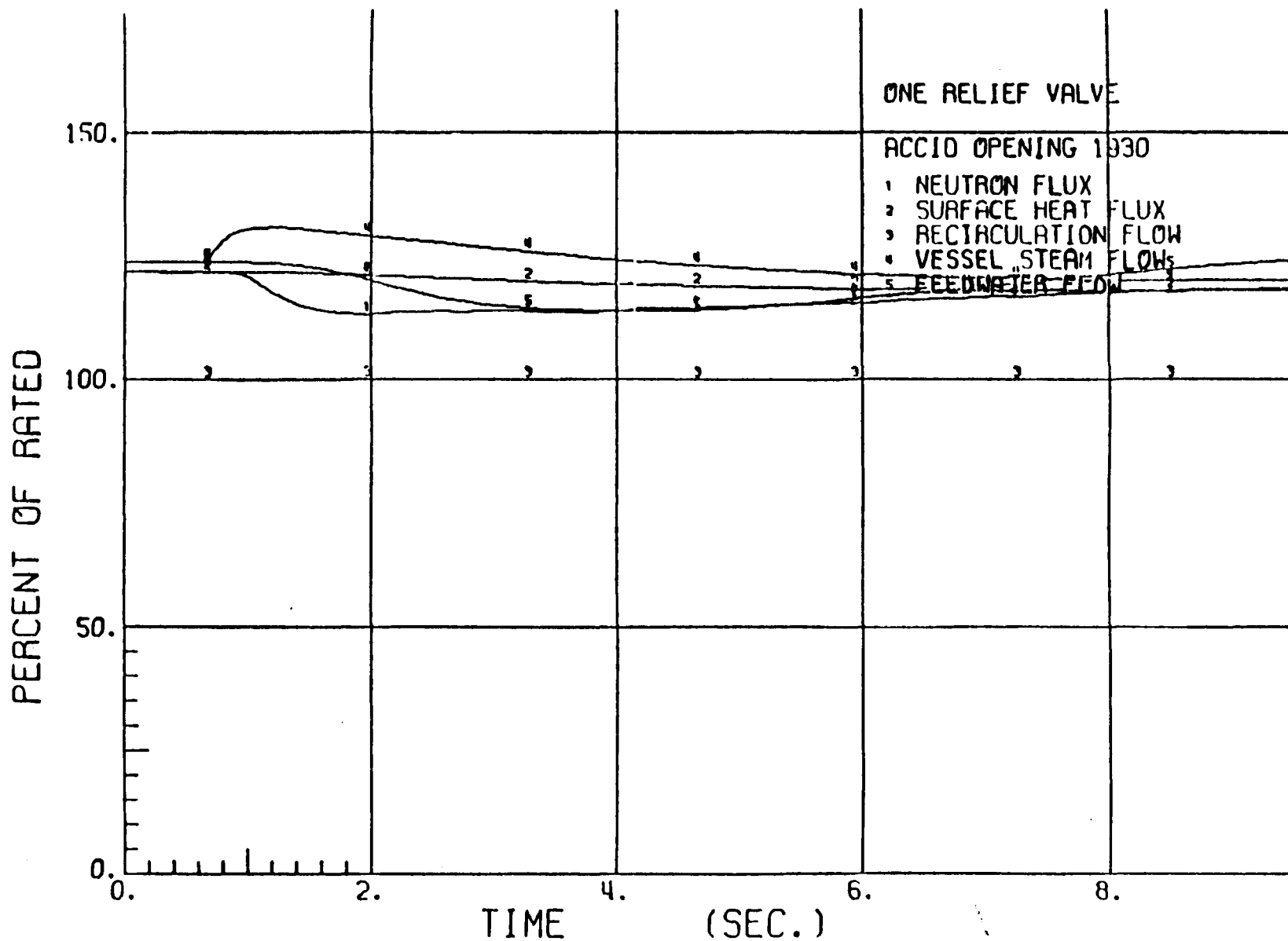
Fig. 15.4-7



## OCNGS UFSAR

Figures 15.4-8 through 15.4-12

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Text is based on 100% being equal to 1930 MWt; transient plots are based on 100% being equal to 1600 MWt.

**EPRI Nuclear**

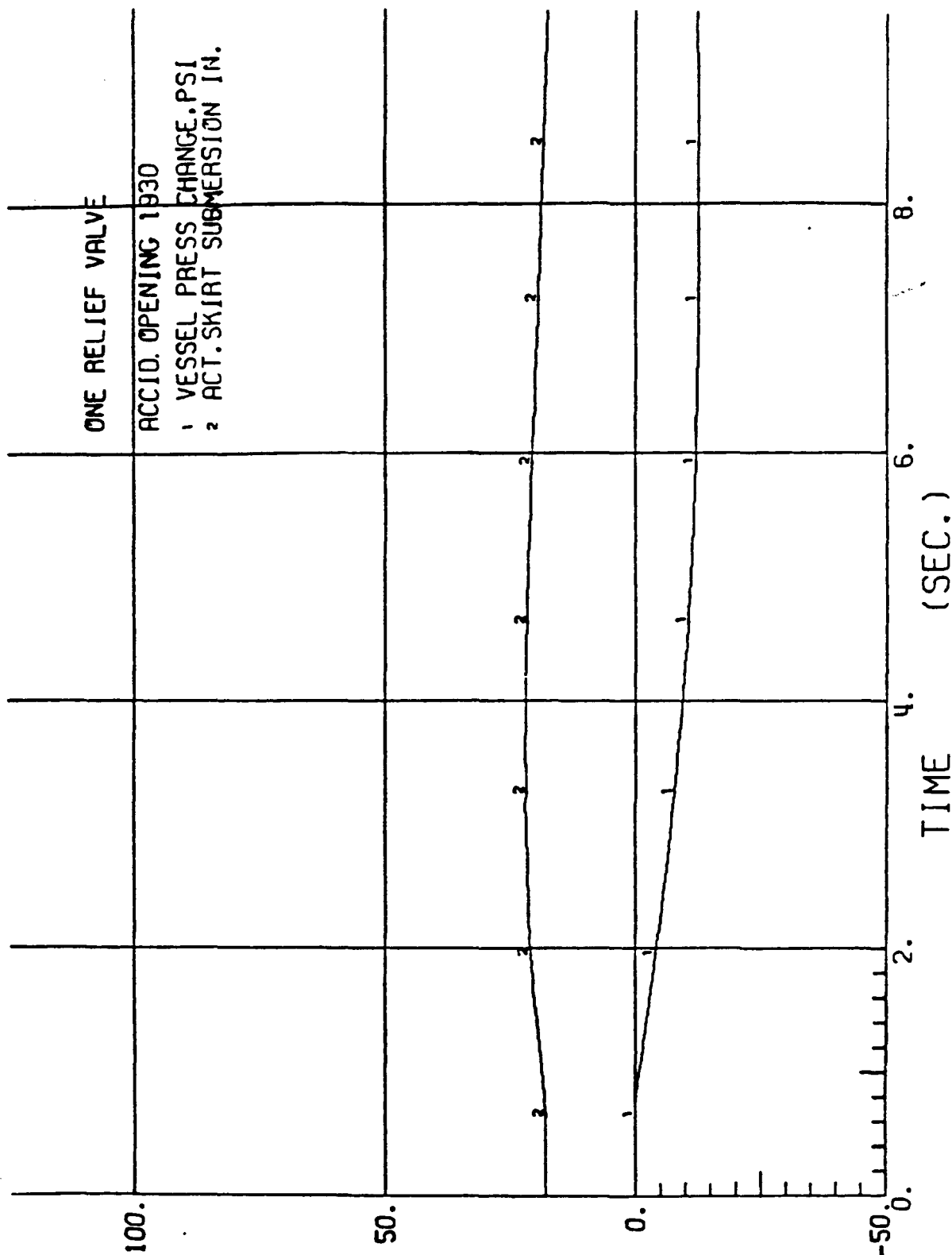
Oyster Creek

Inadvertent Opening of Relief Valve —  
System Response — 1930 MWt — Plot 1

Update - 5

12/90

Fig. 15.6-1



Text is based on 100% below; equal to 1930 MWL; transient plots are based on 100% being equal to 1600 MWL.

**GPU Nuclear**

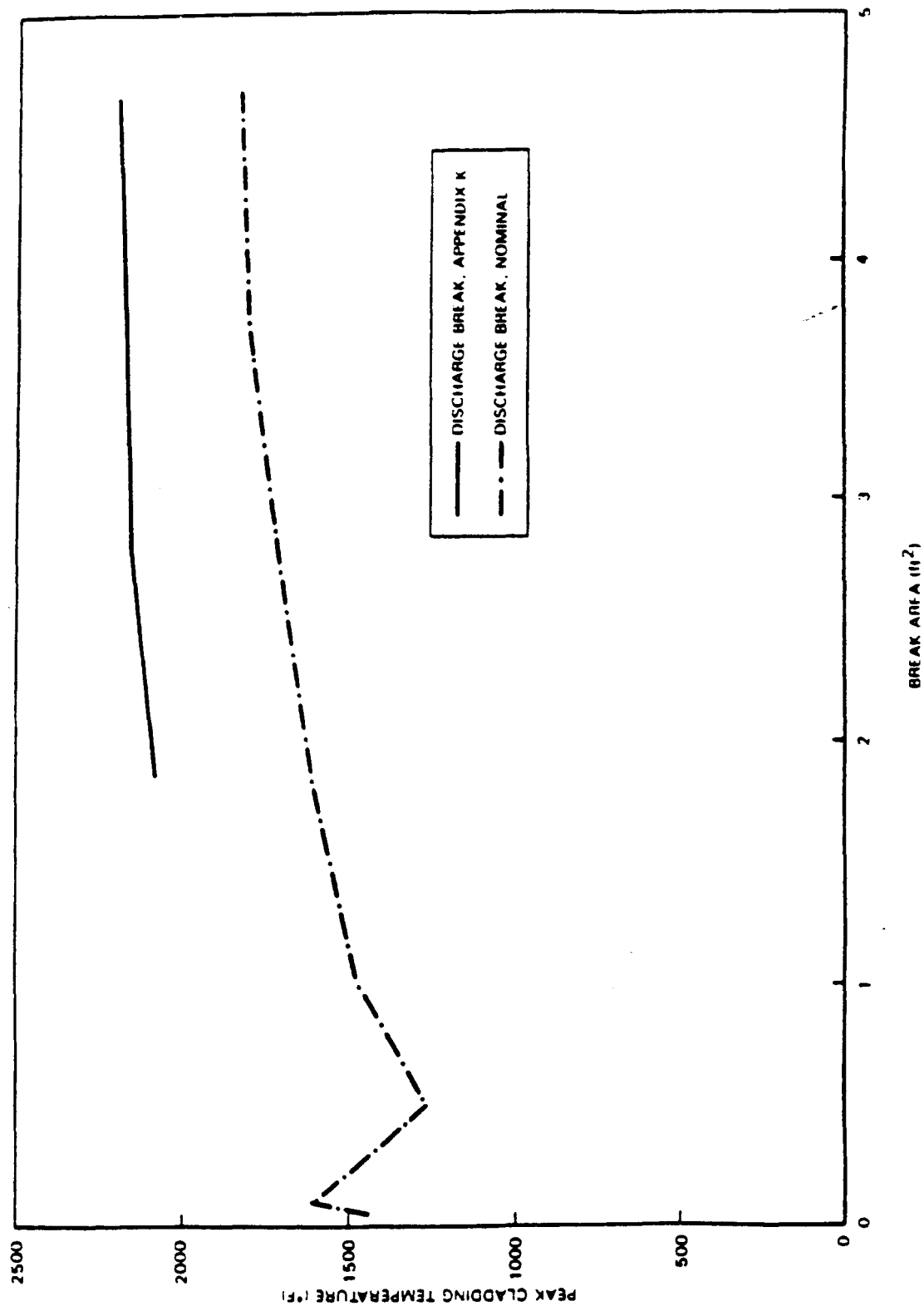
Update - 5

Oyster Creek

12/90

Inadvertent Opening of Relief Valve —  
System Response — 1930 MWt — Plot 2

Fig. 15.6-2



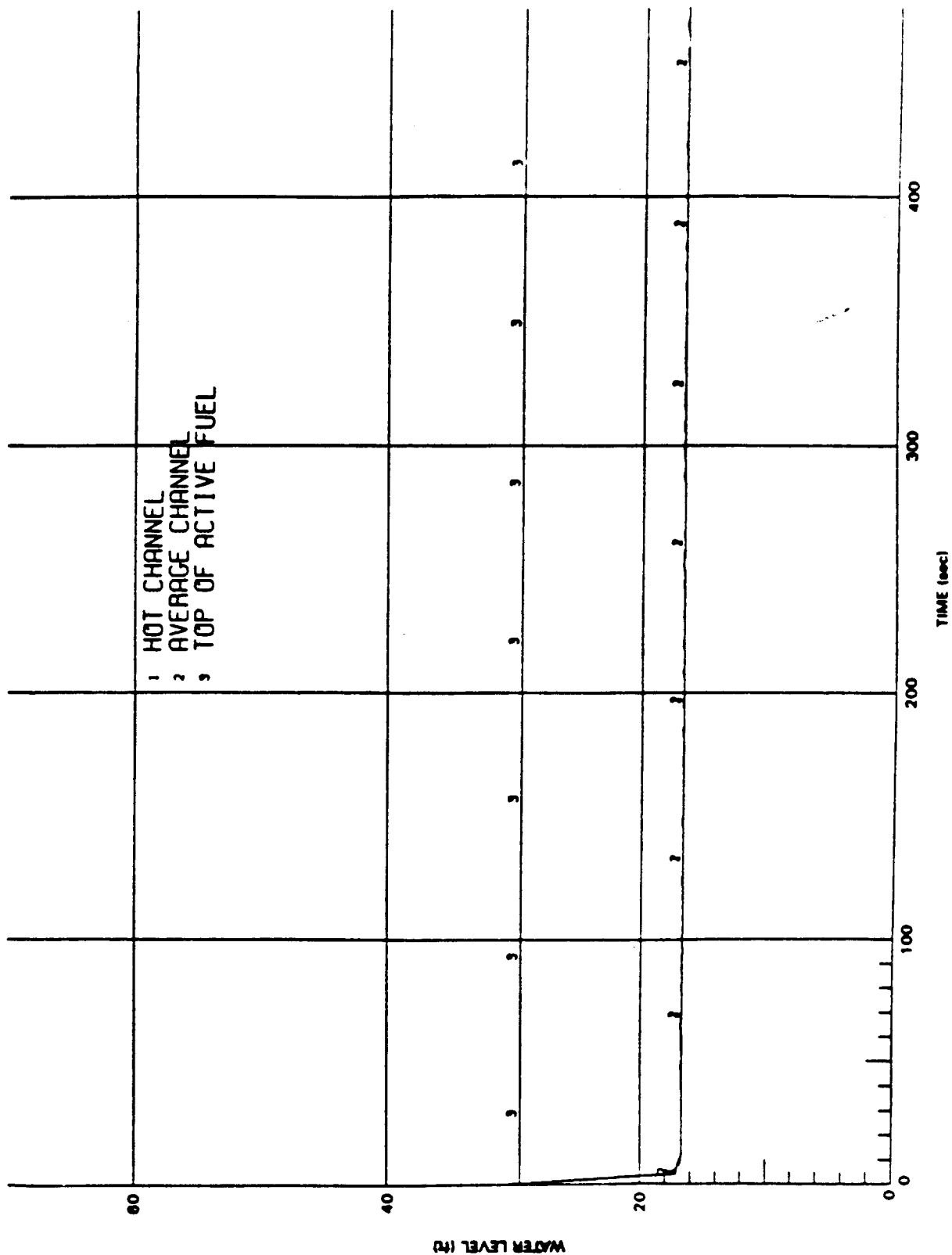
**GPU Nuclear**

Oyster Creek  
Nominal and (Appendix K)  
LOCA Recirculation  
Line Break Spectrum Comparison

Update - 5

12/90

Fig. 15.6-3



**GPU Nuclear**

Update - 5

Oyster Creek

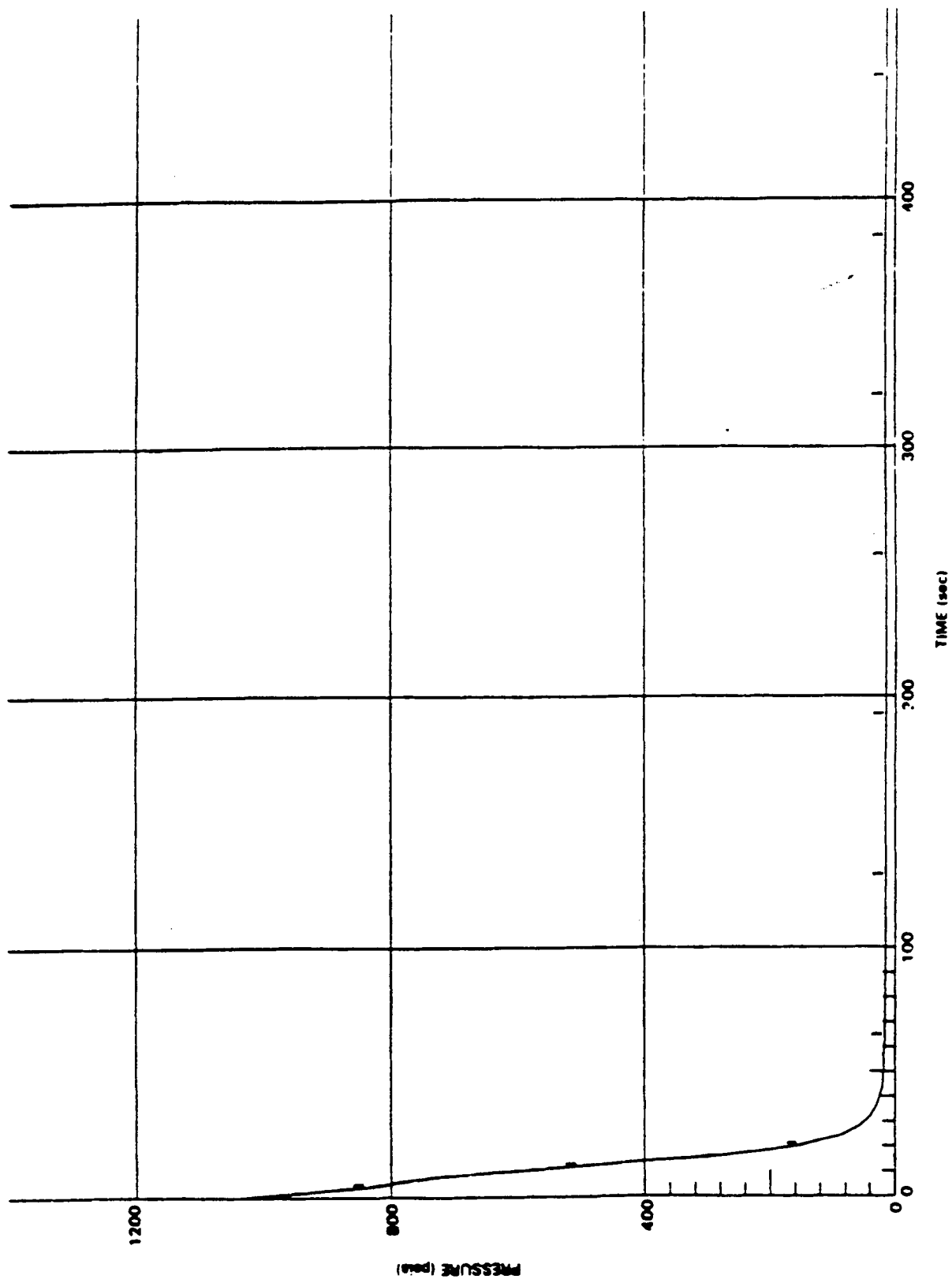
12/90

DBA DSCG (Appendix K)

1 ADS Valve Failure, 2 CS + ADS Available

Water Level in Channel.

Fig. 15.6-4



**GPU Nuclear**

Update - 5

Oyster Creek

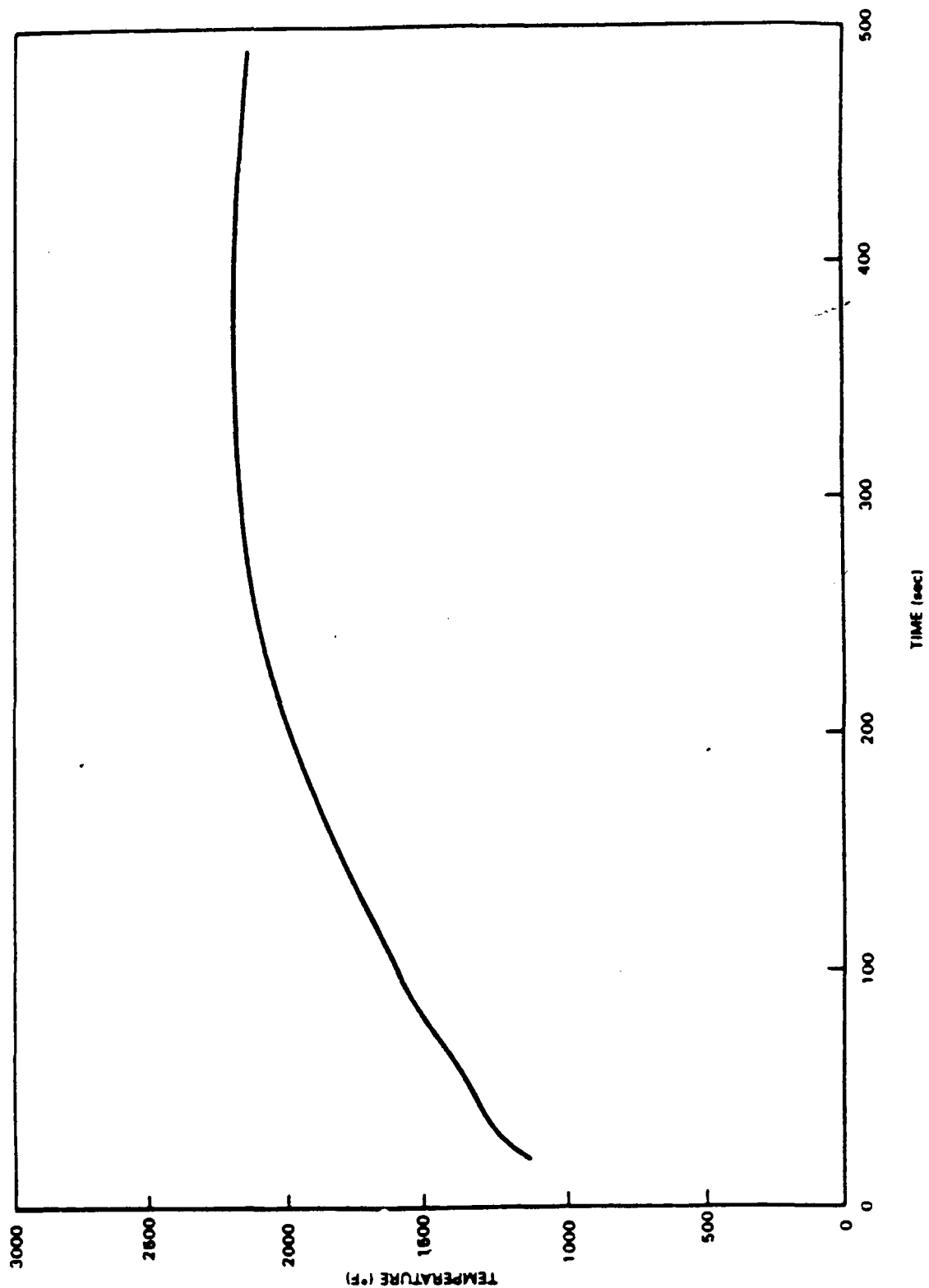
12/90

DBA DSCG (Appendix K)

1 ADS Valve Failure, 2 CS + ADS Available

Reactor Vessel Pressure

Fig. 15.6-5



**GPU Nuclear**

Update - 5

Oyster Creek

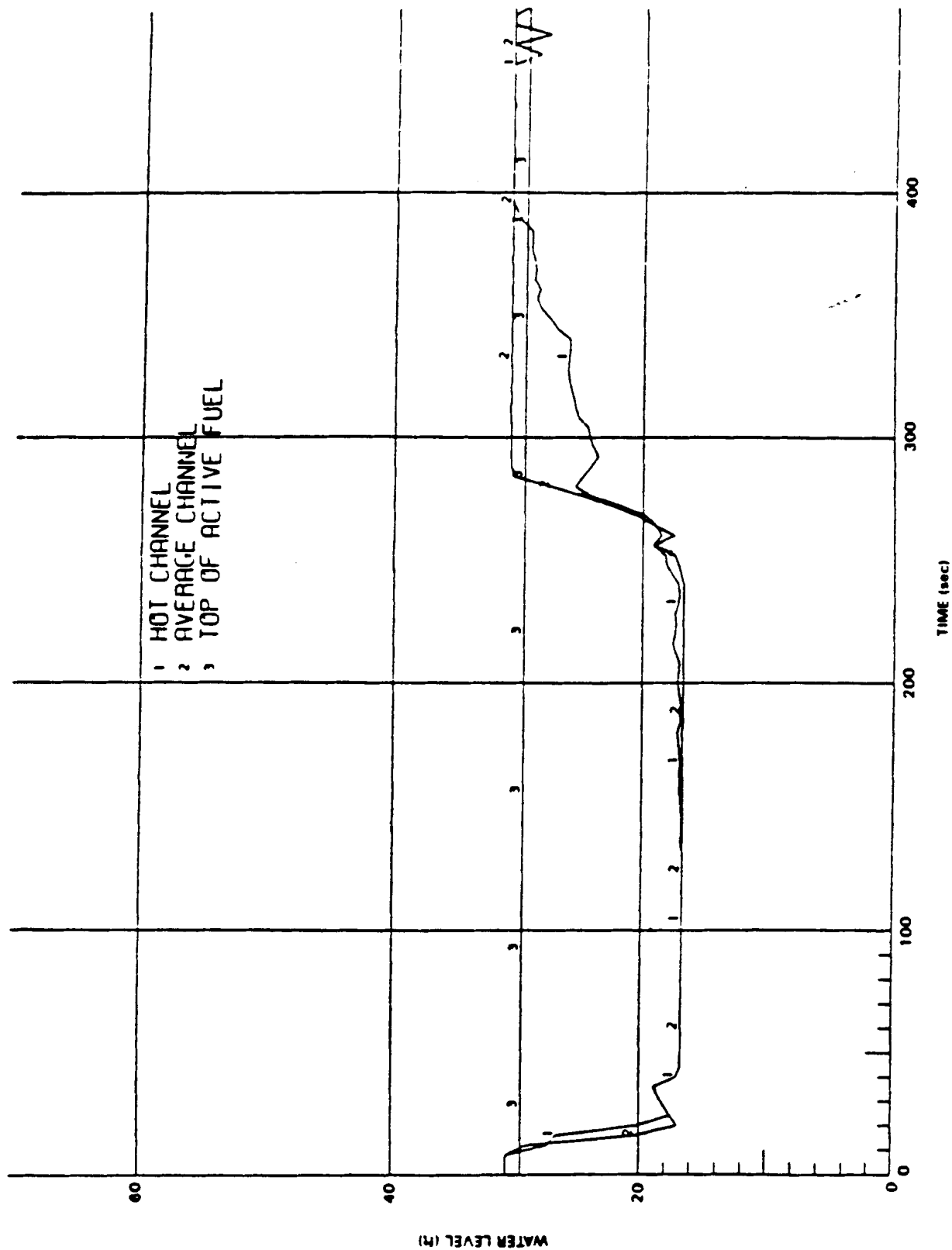
12/90

DBA DSCG (Appendix K)

1 ADS Valve Failure, 2CS + ADS Available

Peak Cladding Temperature

Fig. 15.6-6



**GPU Nuclear**

Update - 5

Oyster Creek

12/90

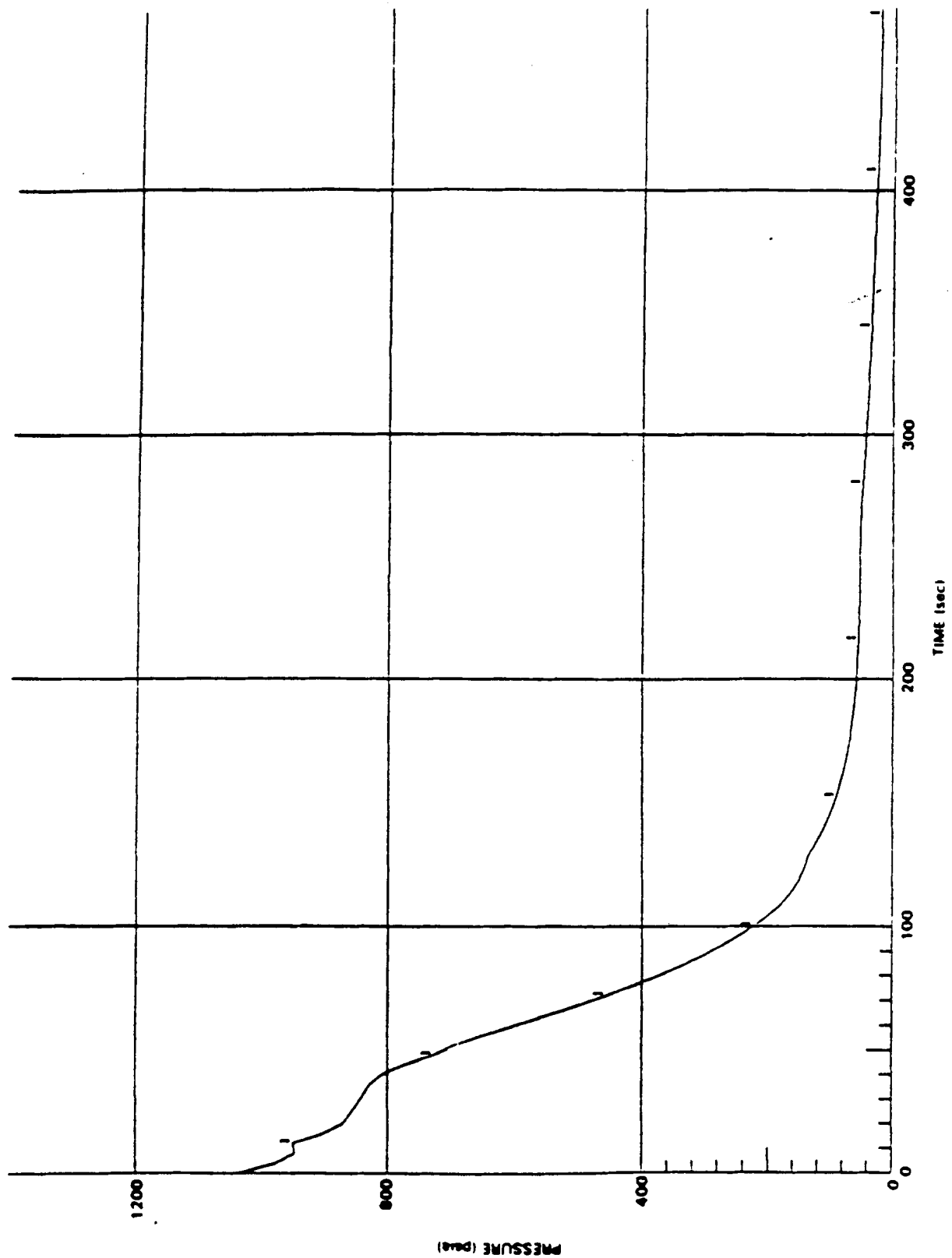
1.0 Ft.<sup>2</sup> DSCG (Nominal)

1 ADS Valve Failure, 2CS + ADS Available

Water Level In Channel

Fig. 15.6-7





**GPU Nuclear**

Update - 5

Oyster Creek

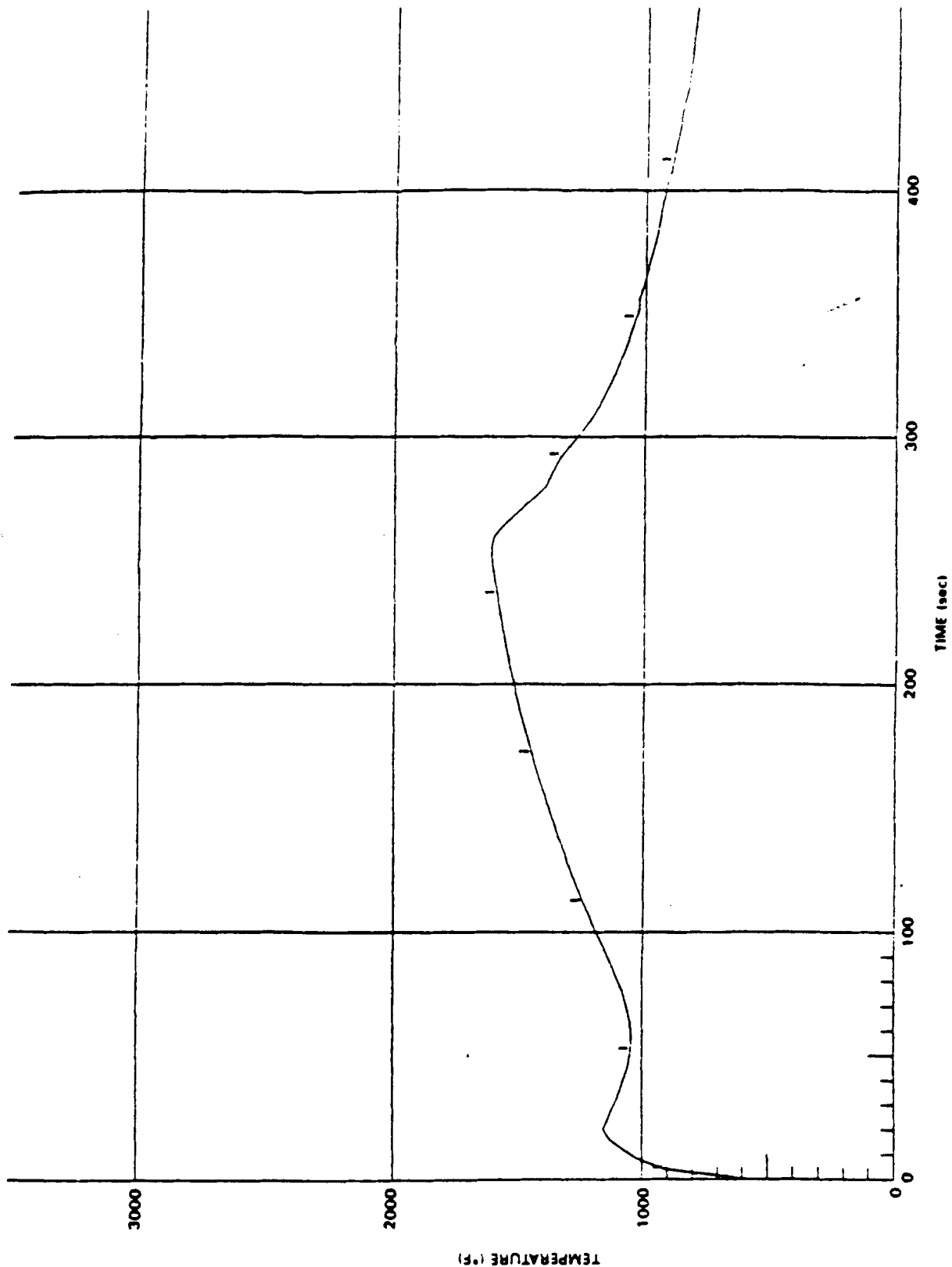
12/90

1.0 Ft.<sup>2</sup> DSCG (Nominal)

1 ADS Valve Failure, 2CS + ADS Available

Reactor Vessel Pressure

Fig. 15.6-8



TEMPERATURE (°F)

**GPU Nuclear**

Update - 5

Oyster Creek

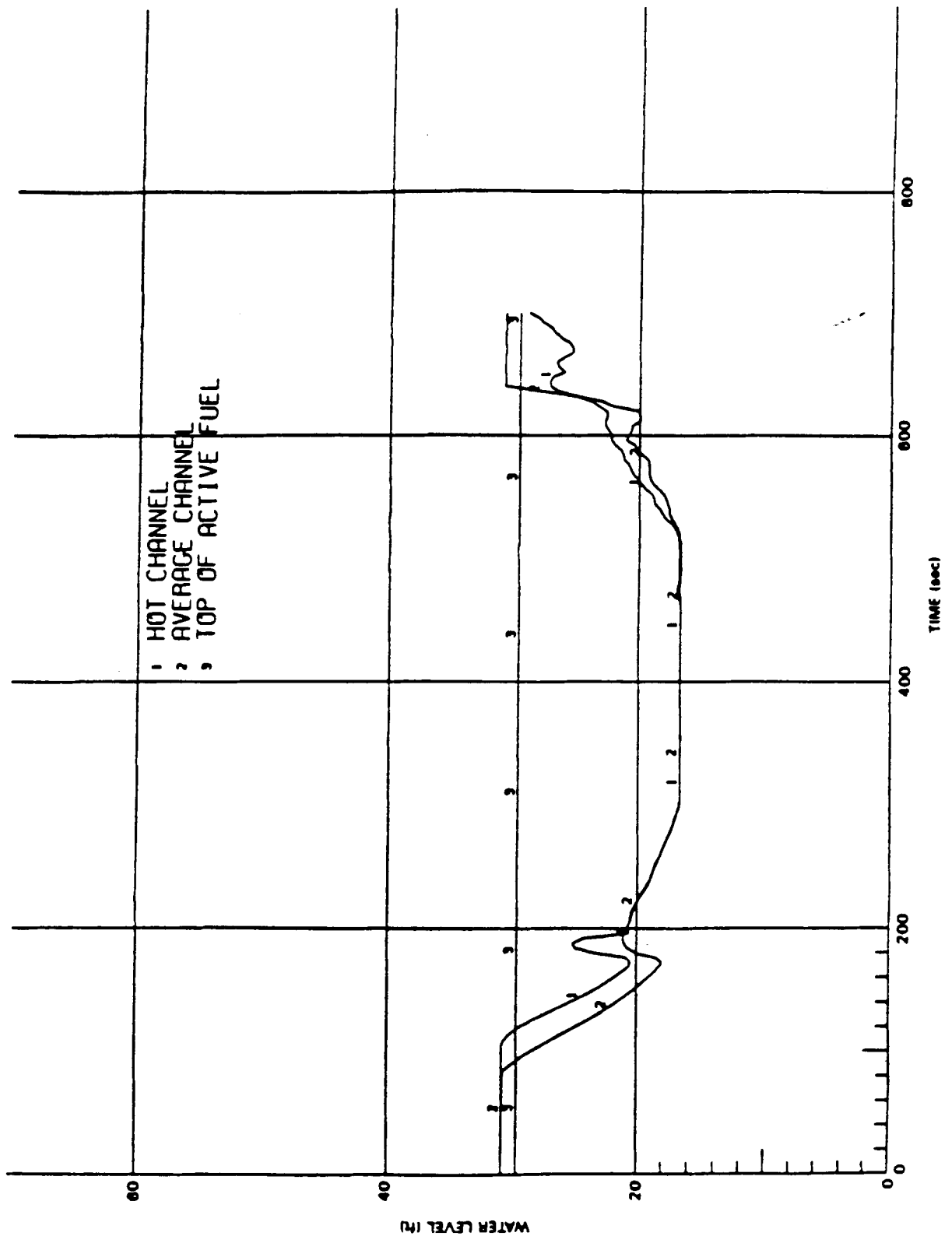
12/90

1.0 Ft.<sup>2</sup> DSCG (Nominal)

1 ADS Valve Failure, 2CS + ADS Available

Peak Cladding Temperature

Fig. 15.6-8



**GP Nuclear**

**Update - 5**

**Oyster Creek**

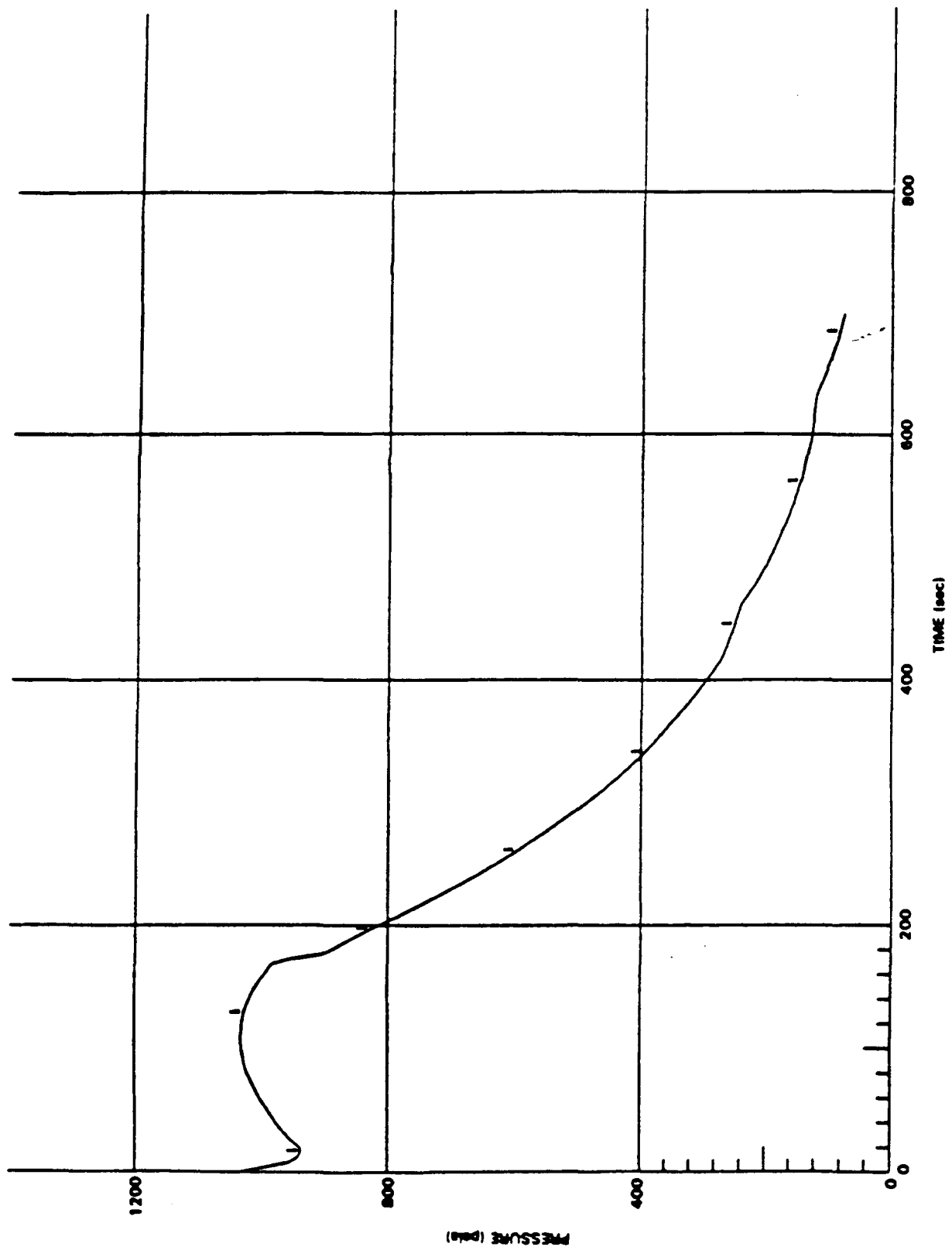
**12/90**

**0.1 Ft.<sup>2</sup> DSCG (Nominal)**

**1 ADS Valve Failure, 2CS + ADS Available**

**Water Level in Channel**

**Fig. 15.6-10**



**GPU Nuclear**

Update - 5

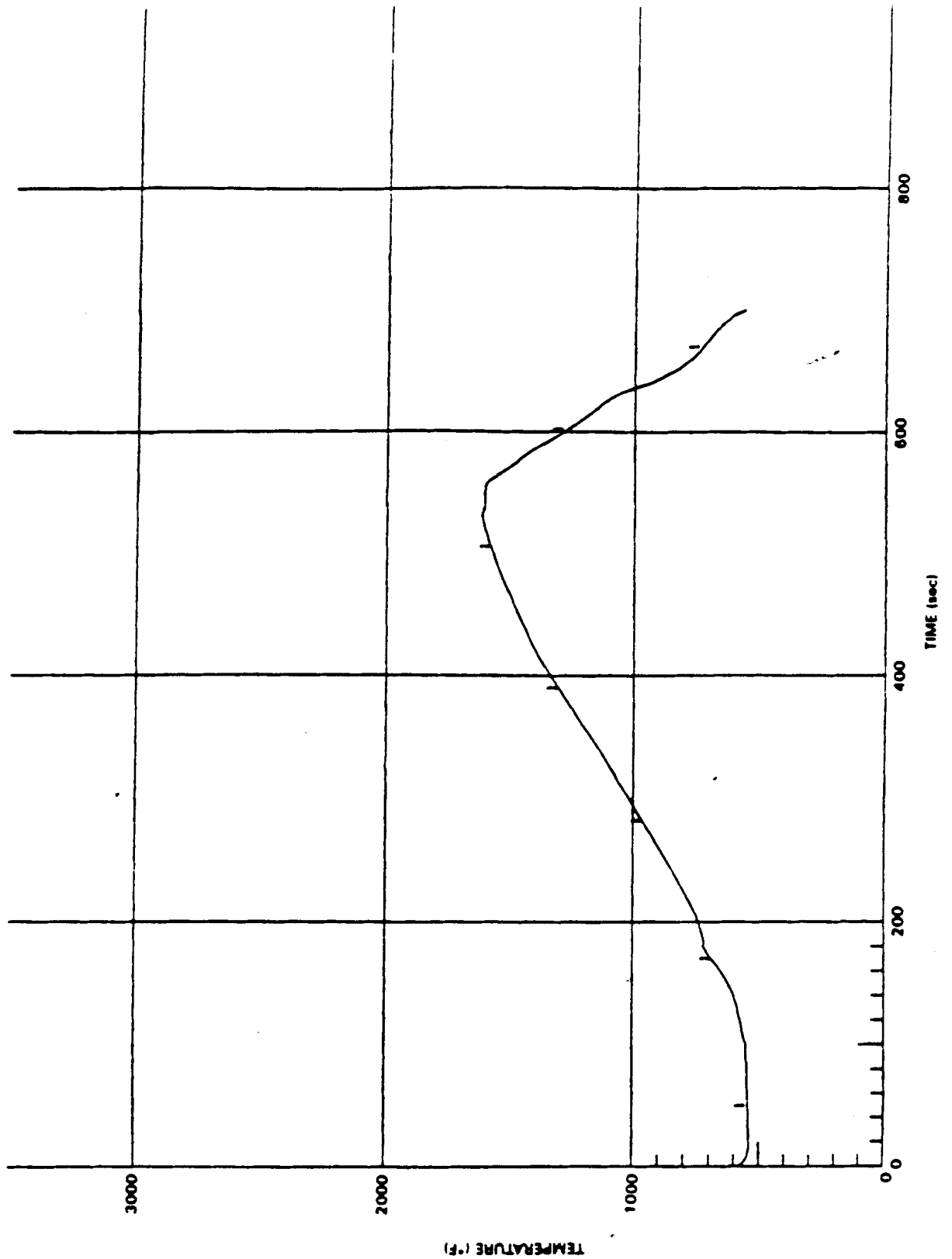
Oyster Creek

12/90

0.1 Ft.<sup>2</sup> DSCG (Nominal)

1 ADS Valve Failure, 2CS + ADS Available  
Reactor Vessel Pressure

Fig. 15.6-11



TEMPERATURE (°F)

**GPU Nuclear**

Update - 5

Oyster Creek

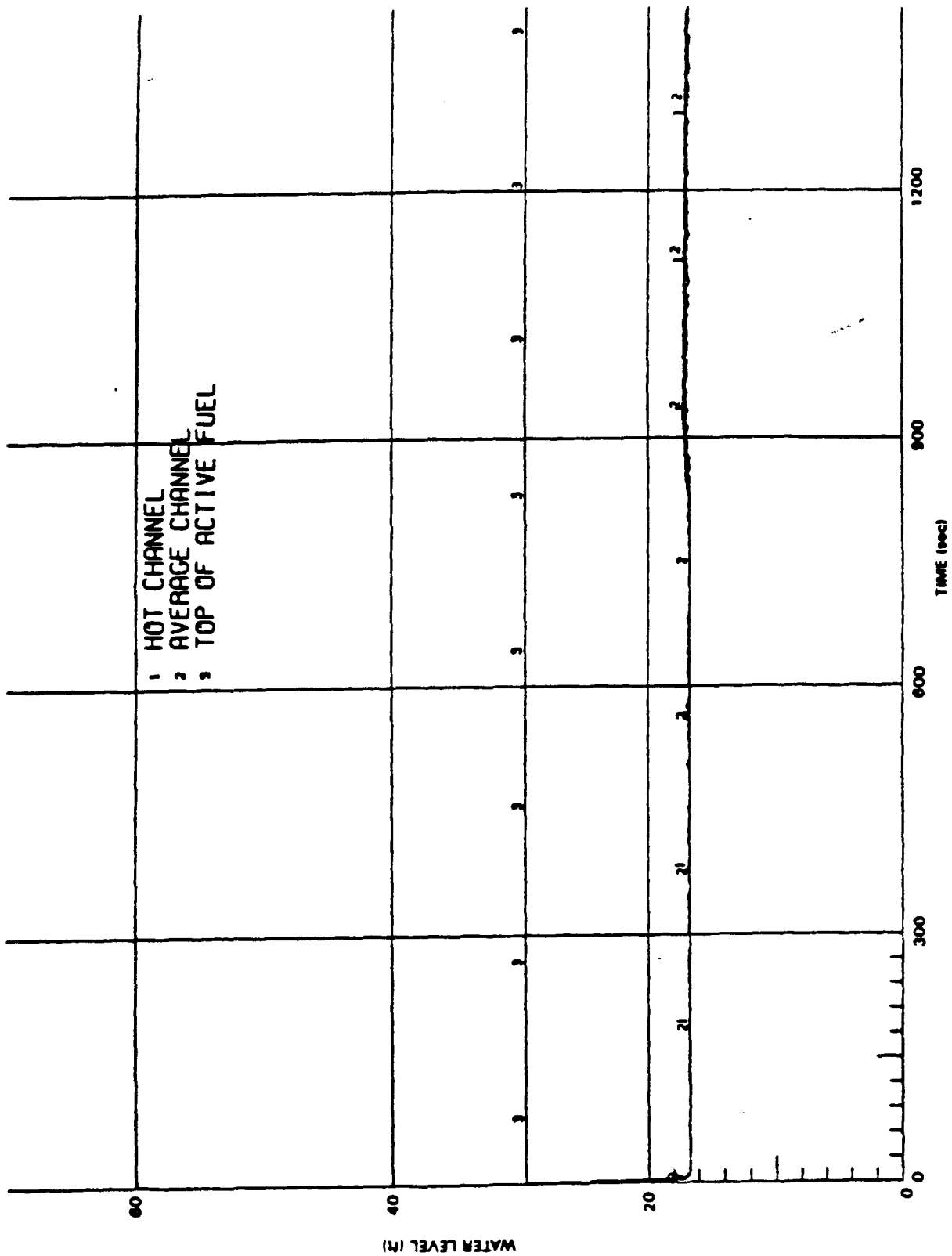
12/90

0.1 Ft.<sup>2</sup> DSCG (Nominal)

1 ADS Valve Failure, 2CS + ADS Available

Peak Cladding Temperature

Fig. 15.6-12



**GPU Nuclear**

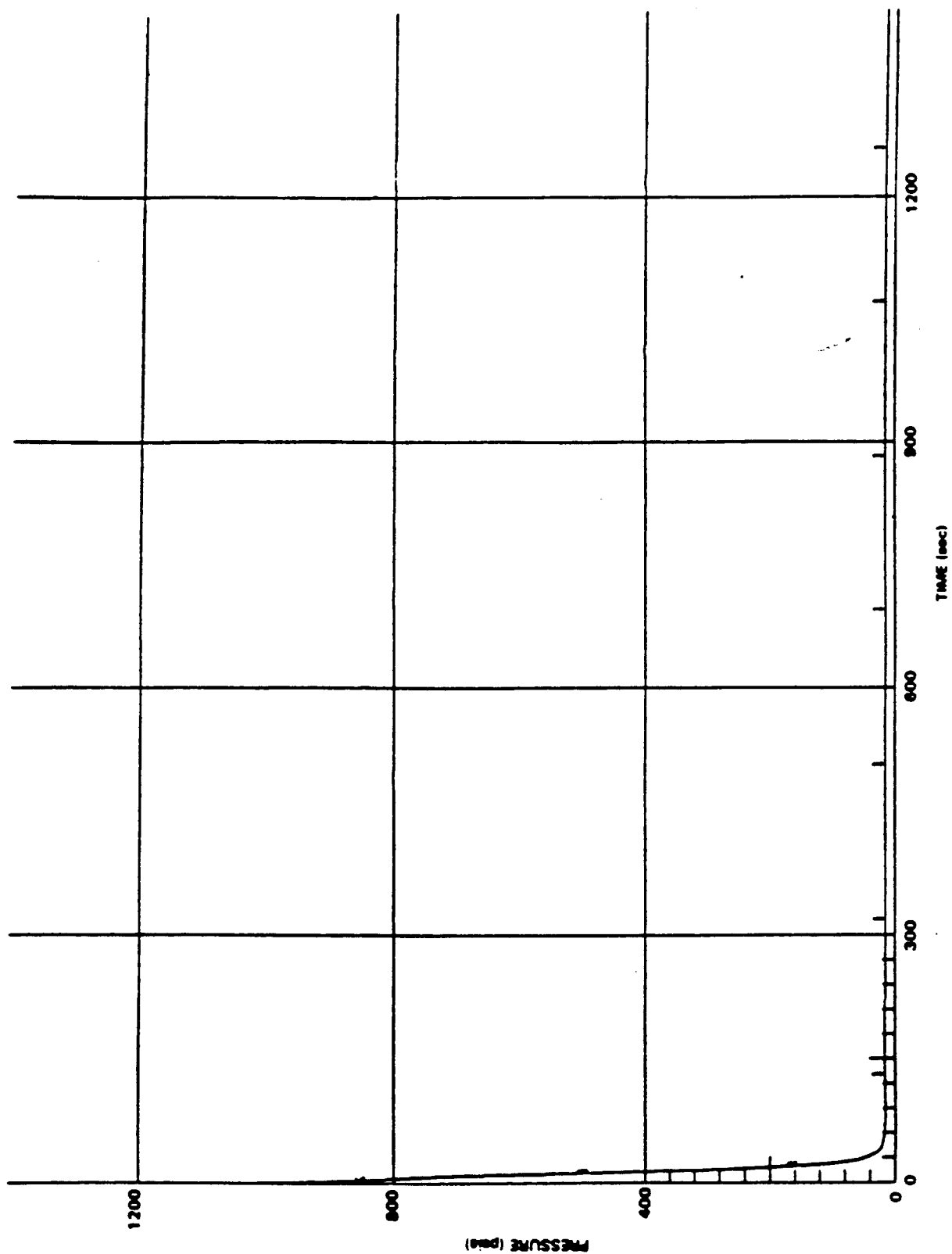
Update - 5

Oyster Creek

12/90

DBA DSCG - High Exposure (Appendix K)  
1 ADS Valve Failure, 2CS + ADS Available  
Water Level in Channel

Fig. 15.6-13



**GPU Nuclear**

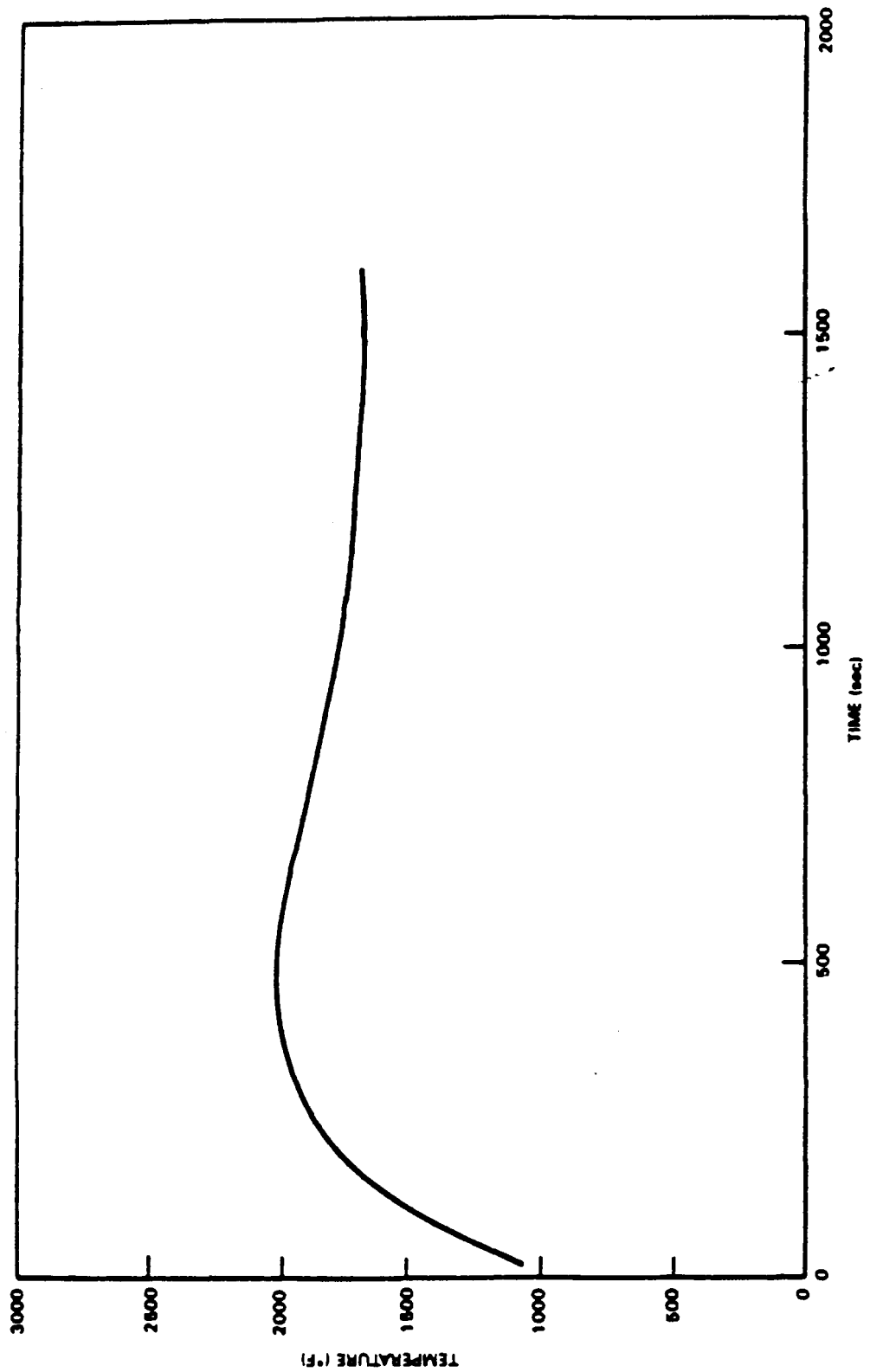
Update - 5

Oyster Creek

12/90

DBA DSCG - High Exposure (Appendix K)  
1 ADS Valve Failure, 2CS + ADS Available  
Reactor Vessel Pressure

Fig. 15.6-14



**GPU Nuclear**

**Update - 5**

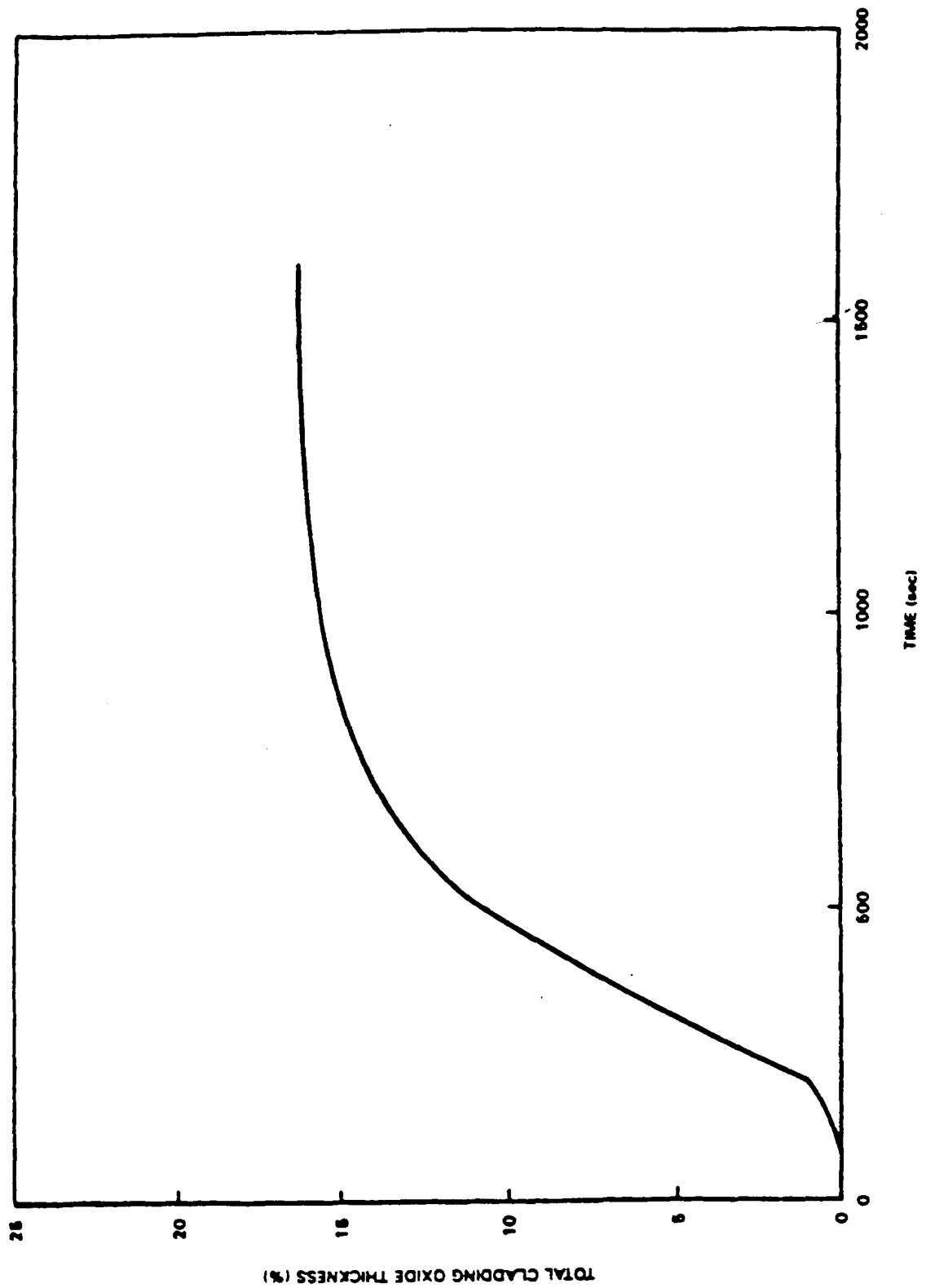
**Oyster Creek**

**12/90**

**DBA DSCG - High Exposure (Appendix K)  
1 ADS Valve Failure, 2CS + ADS Available  
Peak Cladding Temperature**

**Fig. 15.6-15**





**GPU Nuclear**

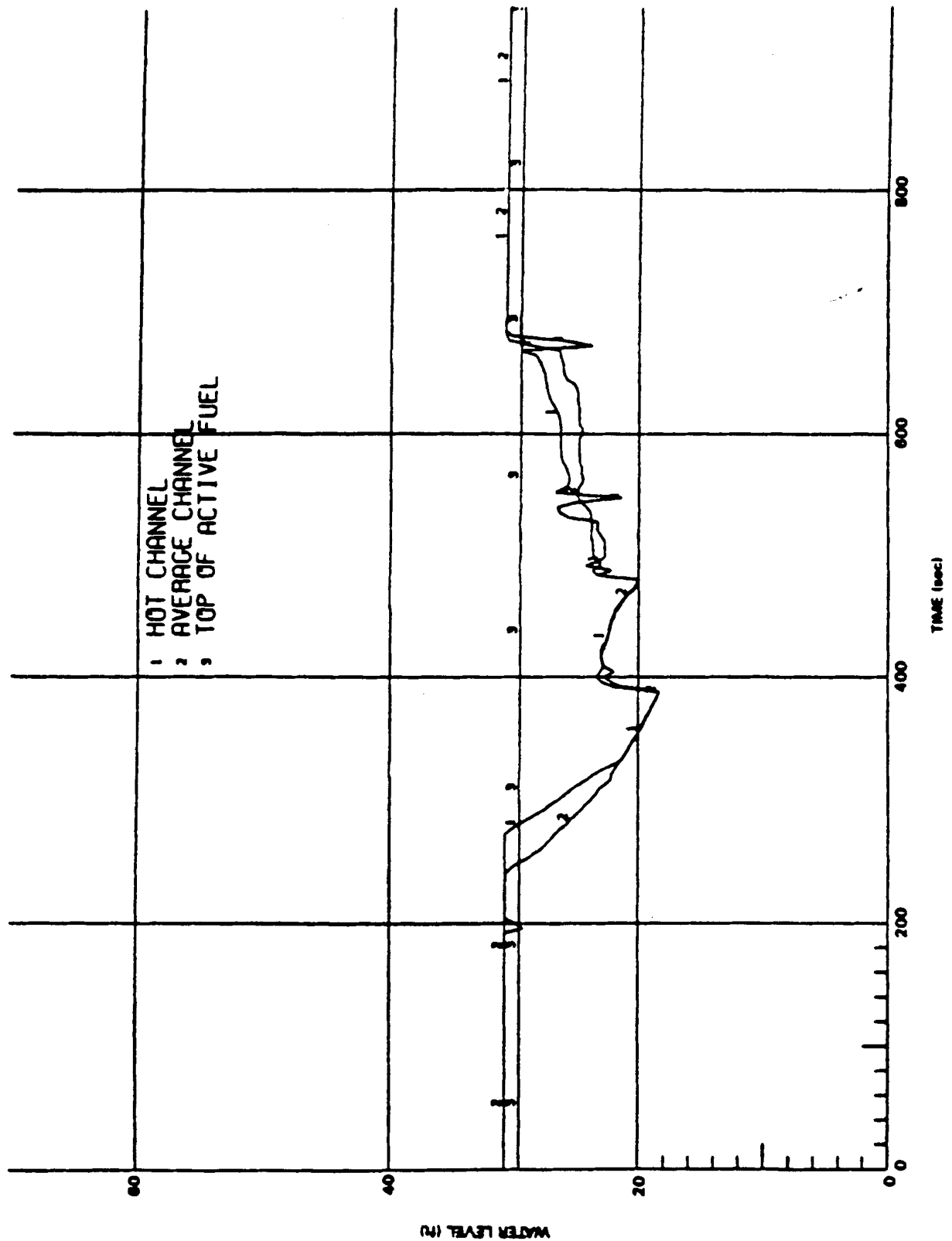
Update - 5

Oyster Creek

12/90

DBA DSCG - High Exposure (Appendix K)  
1 ADS Valve Failure, 2CS + ADS Available  
Oxide Thickness

Fig. 15.6-16



**GPU Nuclear**

Update - 5

Oyster Creek

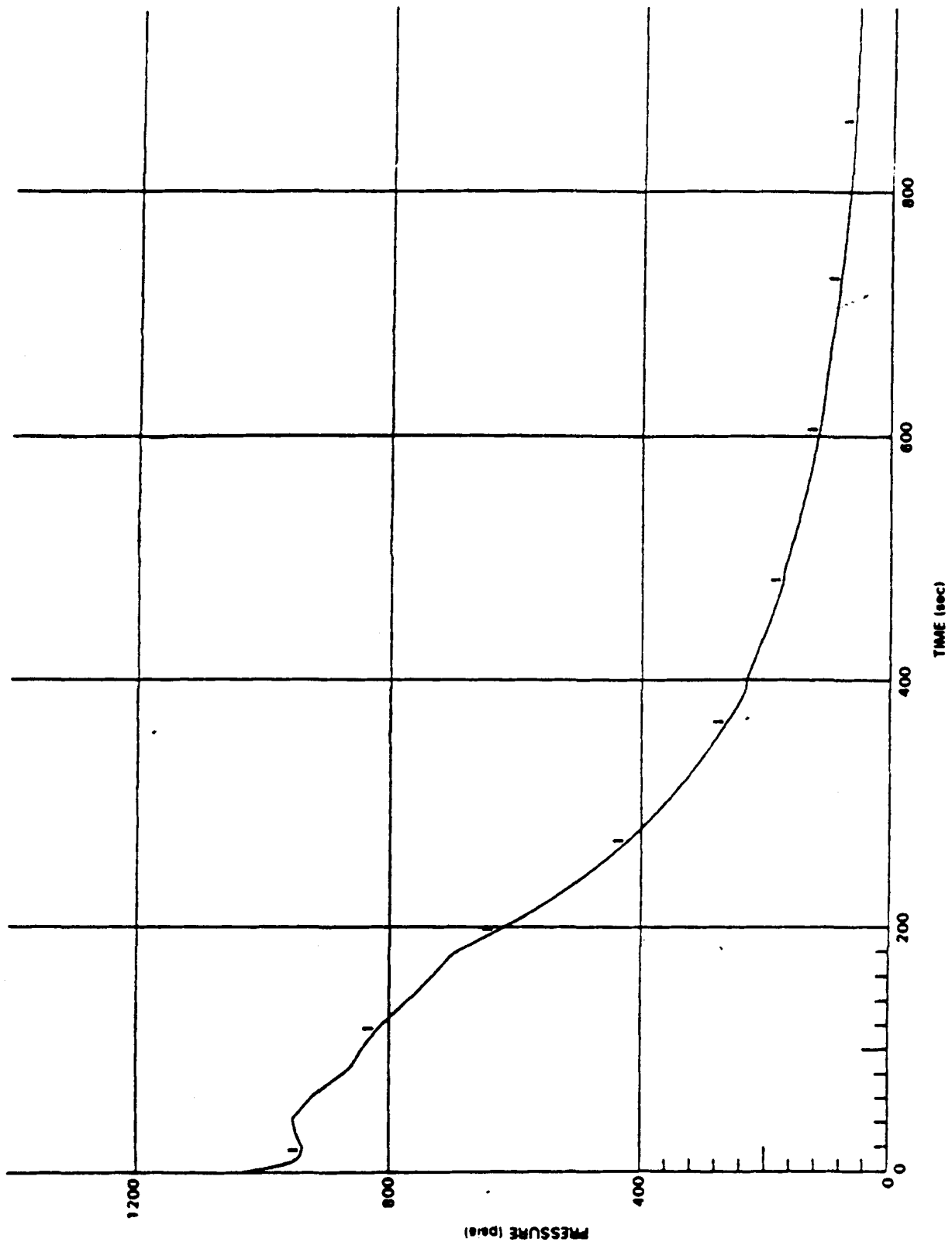
12/90

Core Spray Line (Nominal)

1 ADS Valve Failure, 1CS + ADS Available

Water Level in Channel

Fig. 15.6-17



**GPU Nuclear**

Update - 5

Oyster Creek

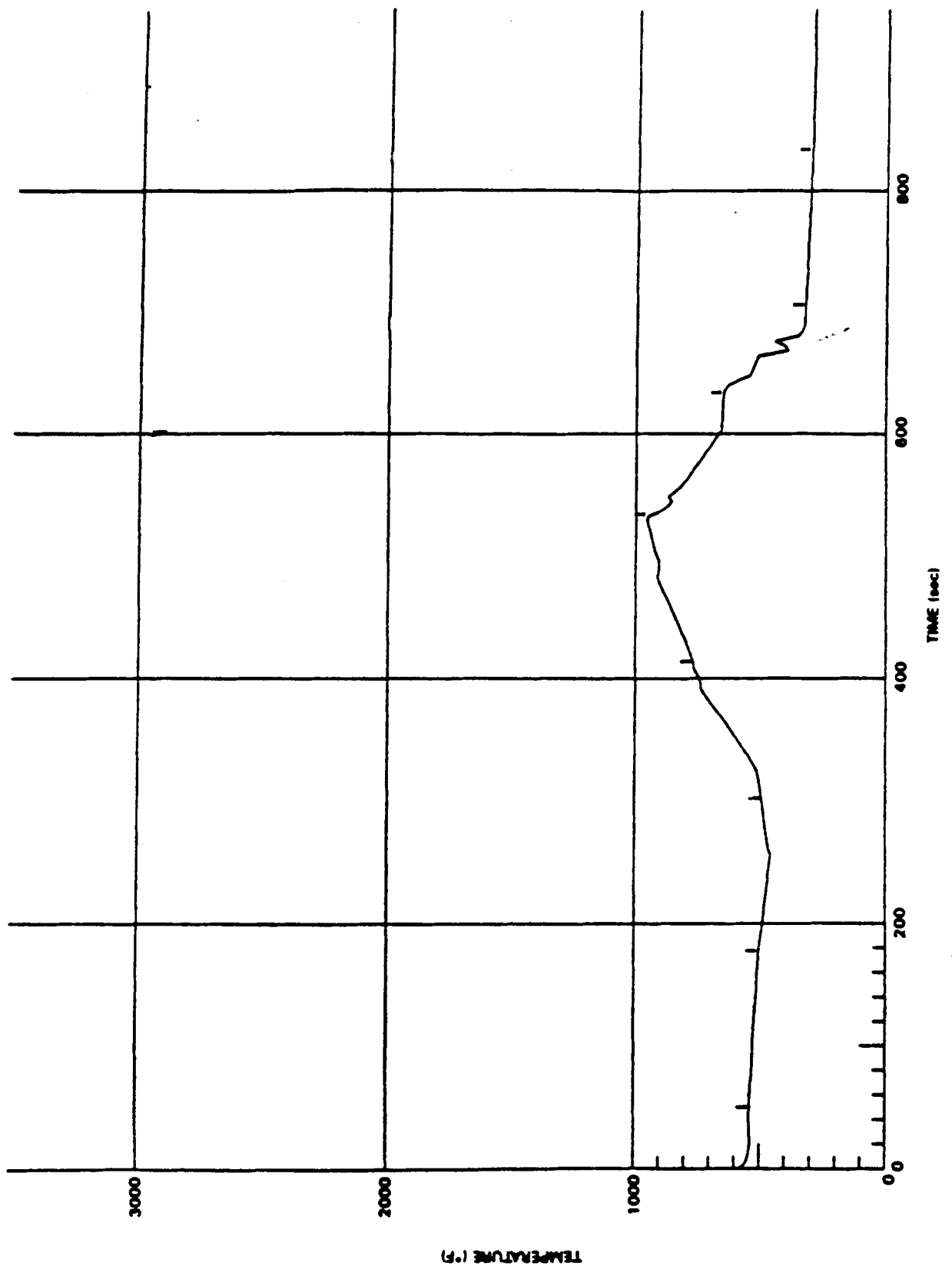
12/90

Core Spray Line (Nominal)

1 ADS Valve Failure, 1CS + ADS Available

Reactor Vessel Pressure

Fig. 15.6-18



TEMPERATURE (°F)

**GPU Nuclear**

Update - 5

Oyster Creek

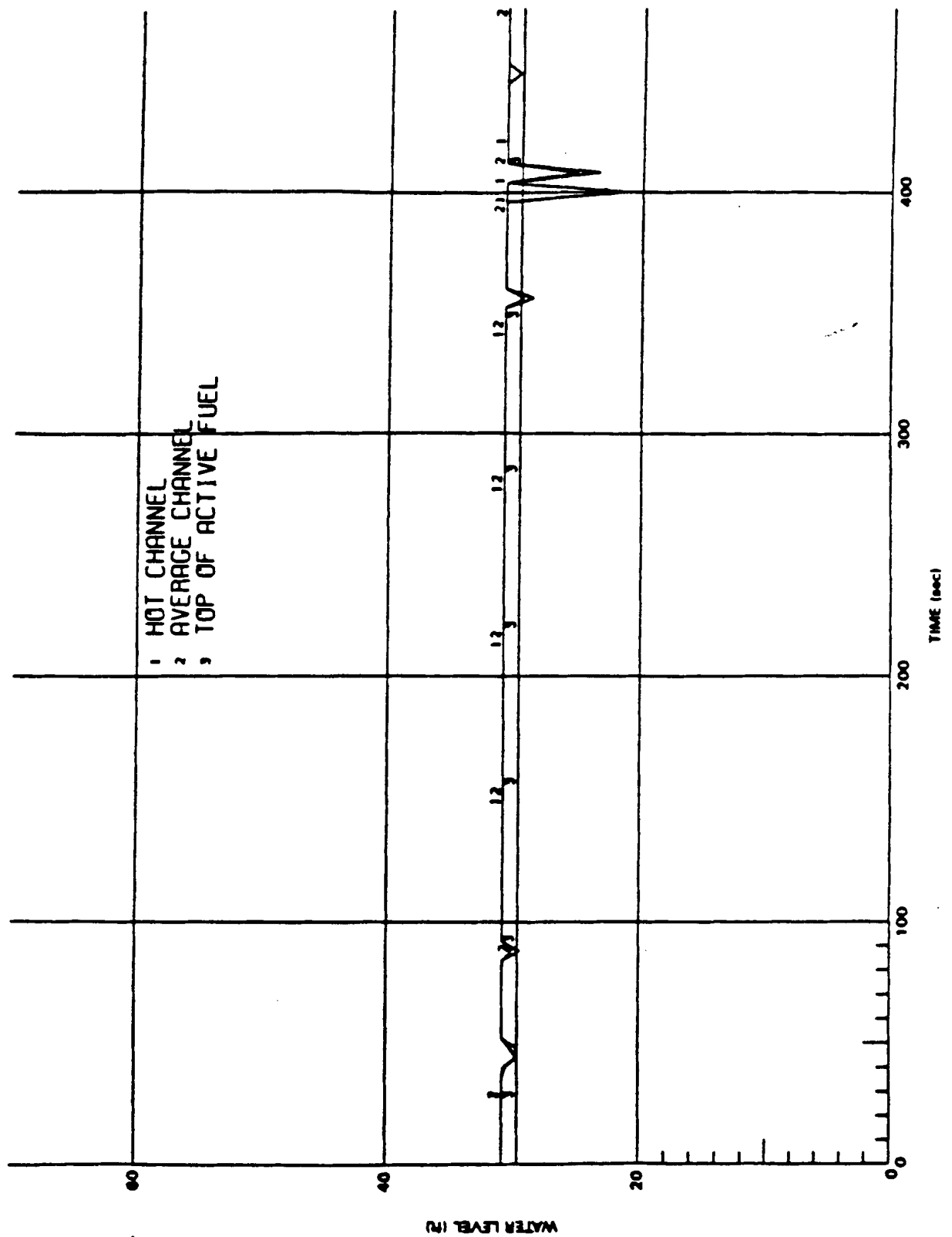
12/90

Core Spray Line (Nominal)

1 ADS Valve Failure, 1CS + ADS Available

Peak Cladding Temperature

Fig. 15.6-19



**GPU Nuclear**

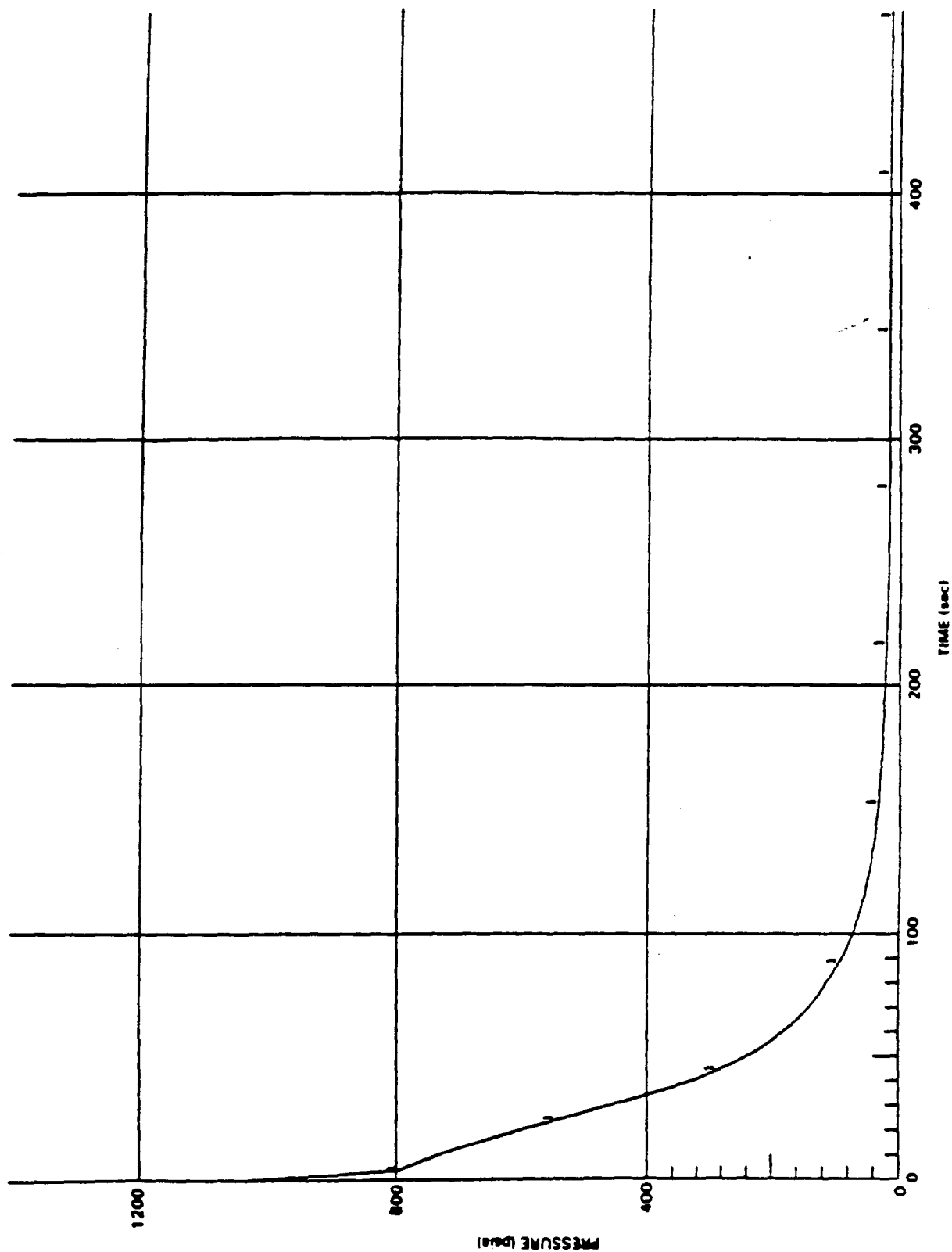
Update - 5

Oyster Creek

12/90

Steam Line Inside Containment (Nominal)  
1 ADS Valve Failure, 2CS + ADS Available  
Water Level in Channel

Fig. 15.6-20



**GPU Nuclear**

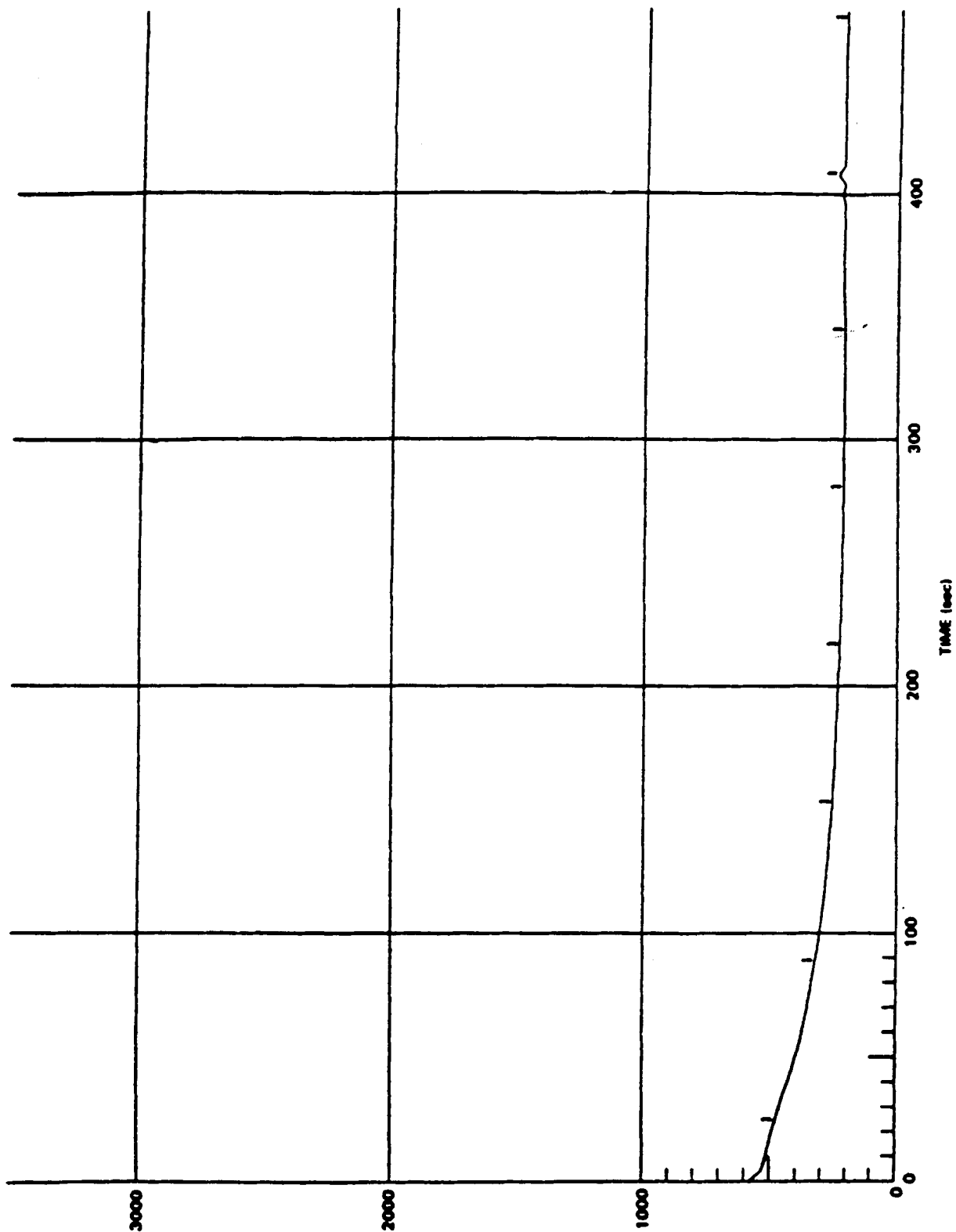
Update - 5

Oyster Creek

12/90

Steam Line Inside Containment (Nominal)  
1 ADS Valve Failure, 2CS + ADS Available  
Reactor Vessel Pressure

Fig. 15.6-21



(G.) ORIGINAL

**GPU Nuclear**

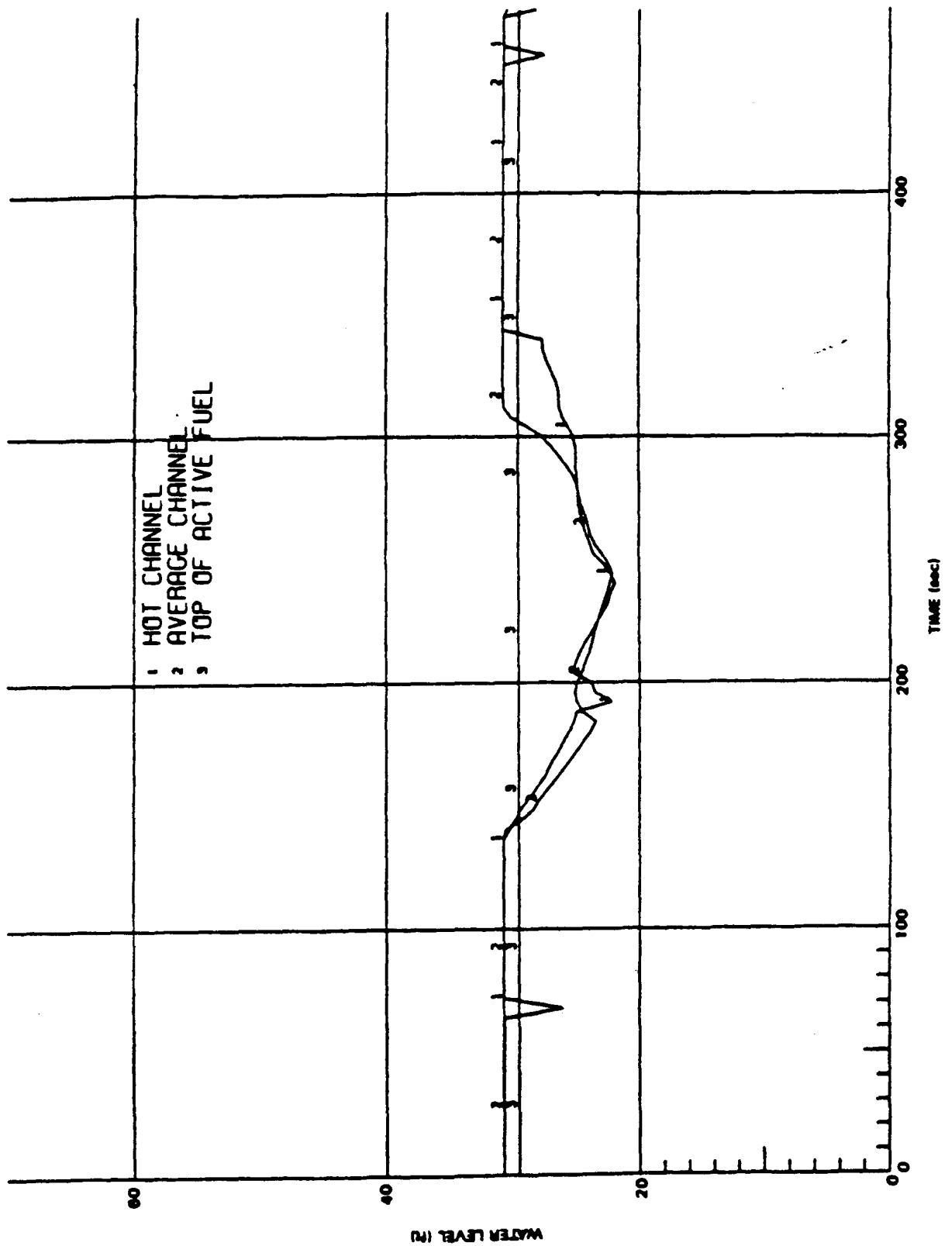
Update - 5

**Oyster Creek**

12/90

Steam Line Inside Containment (Nominal)  
1 ADS Valve Failure, 2CS + ADS Available  
Peak Cladding Temperature

Fig. 15.6-22



**GPU Nuclear**

Update - 5

Oyster Creek

12/90

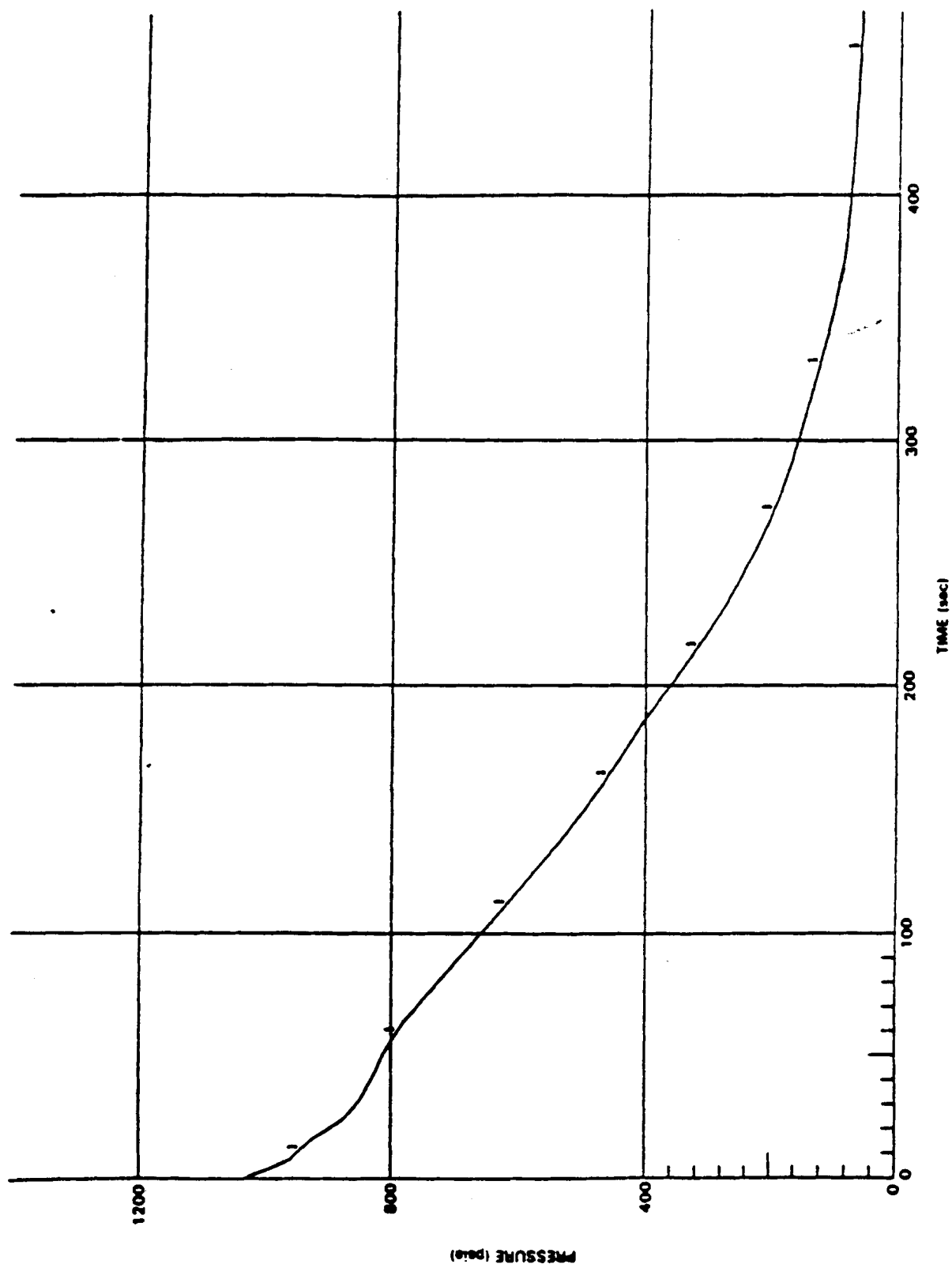
Feedwater Line (Nominal)

1 ADS Valve Failure, 2CS + ADS Available

Water Level in Channel

Fig. 15.6-23





**GPU Nuclear**

Update - 5

Oyster Creek

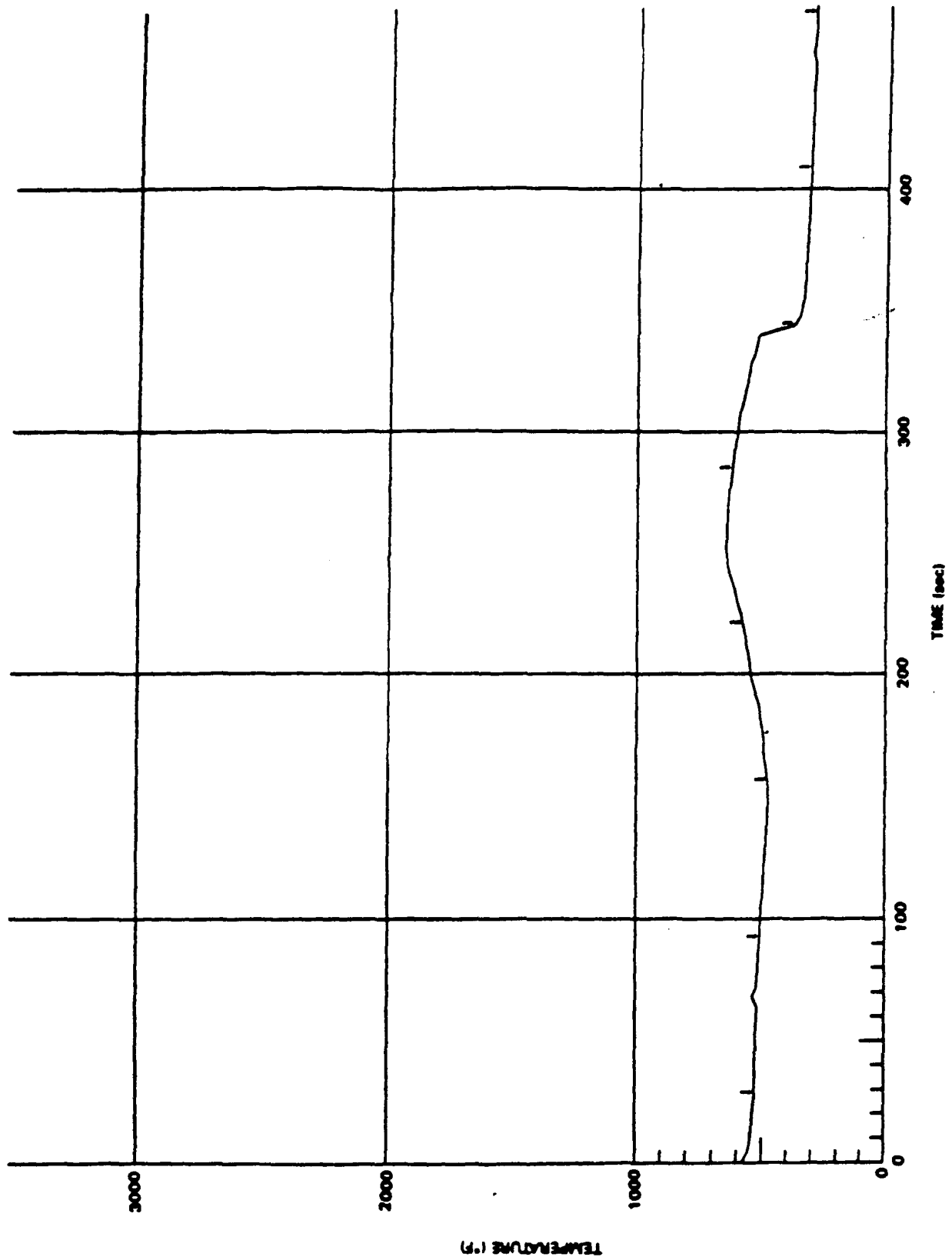
12/90

Feedwater Line (Nominal)

1 ADS Valve Failure, 2CS + ADS Available

Reactor Vessel Pressure

Fig. 15.6-24



TEMPERATURE (°F)

**GPU Nuclear**

Update - 5

Oyster Creek

12/90

Feedwater Line (Nominal)

1 ADS Valve Failure, 2CS + ADS Available

Peak Cladding Temperature

Fig. 15.6-25