

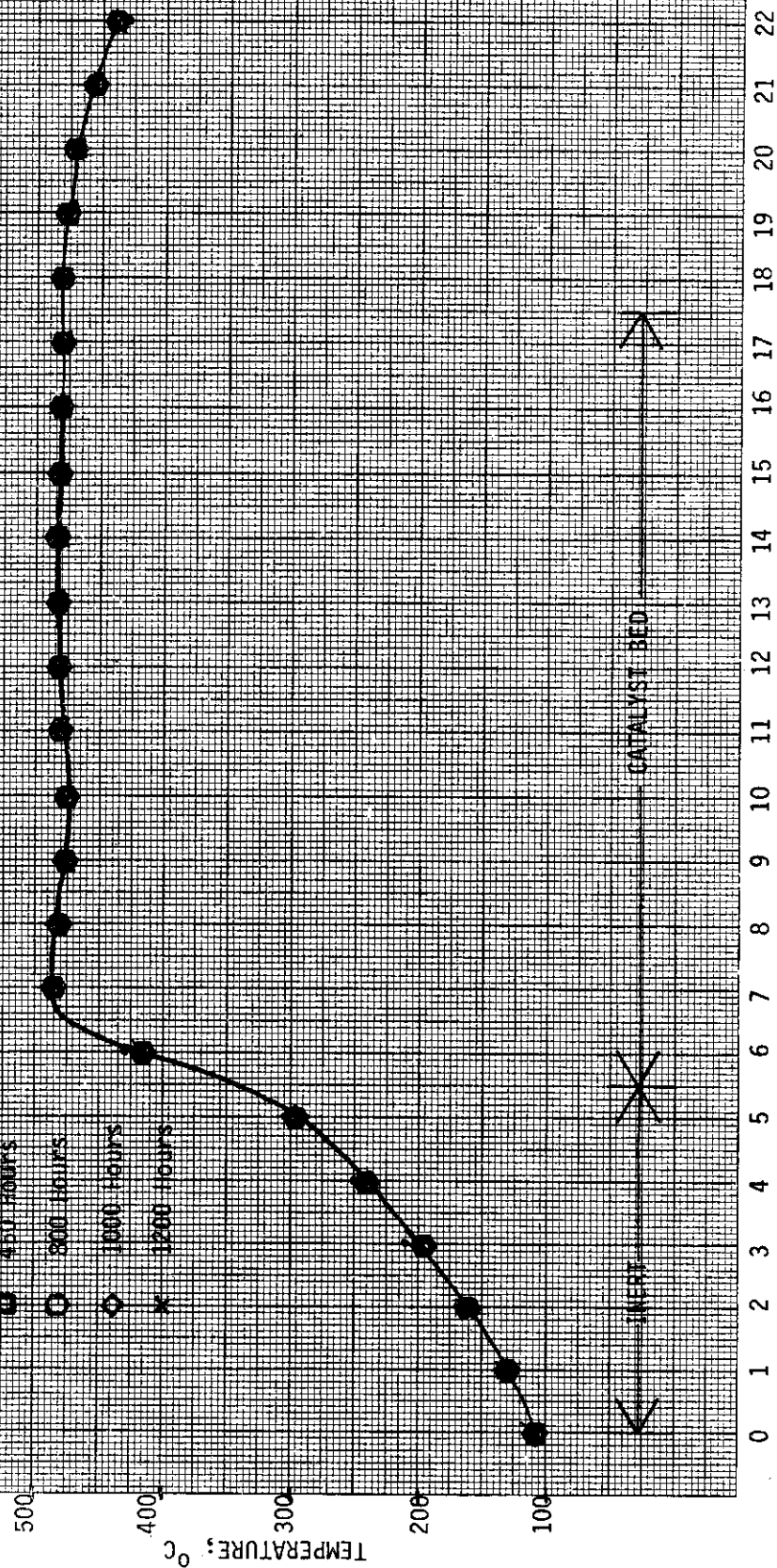
FIGURE 81

TEMPERATURE PROFILE OF RUN 215-18-5.5

482°C, 1000 PSIG, 0% Steam

Catalyst - Harshaw Ni-0100

- 50 Hours
- 176 Hours
- △ 360 Hours
- 450 Hours
- 800 Hours
- ◇ 1000 Hours
- ✕ 1200 Hours



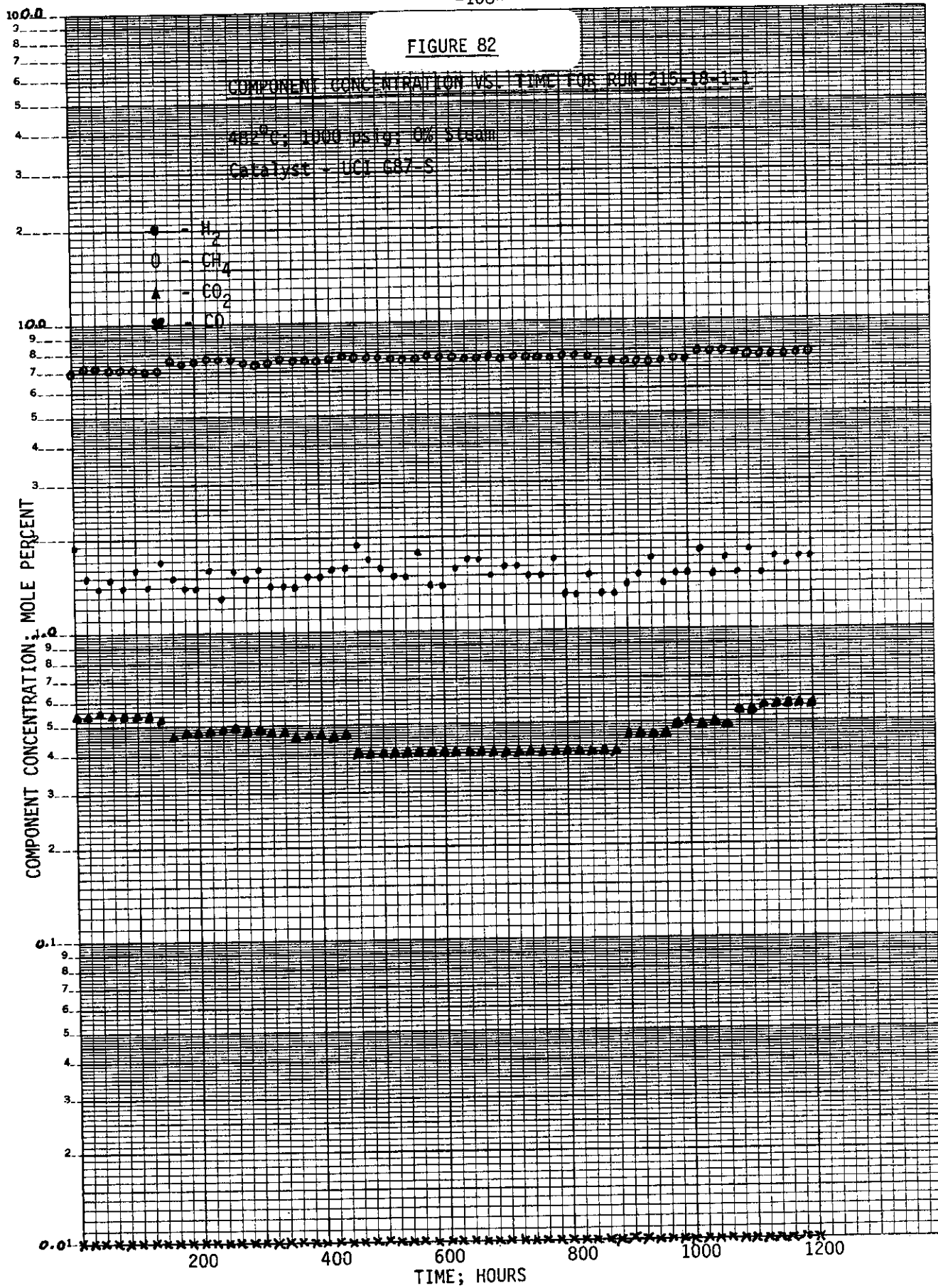


FIGURE 83

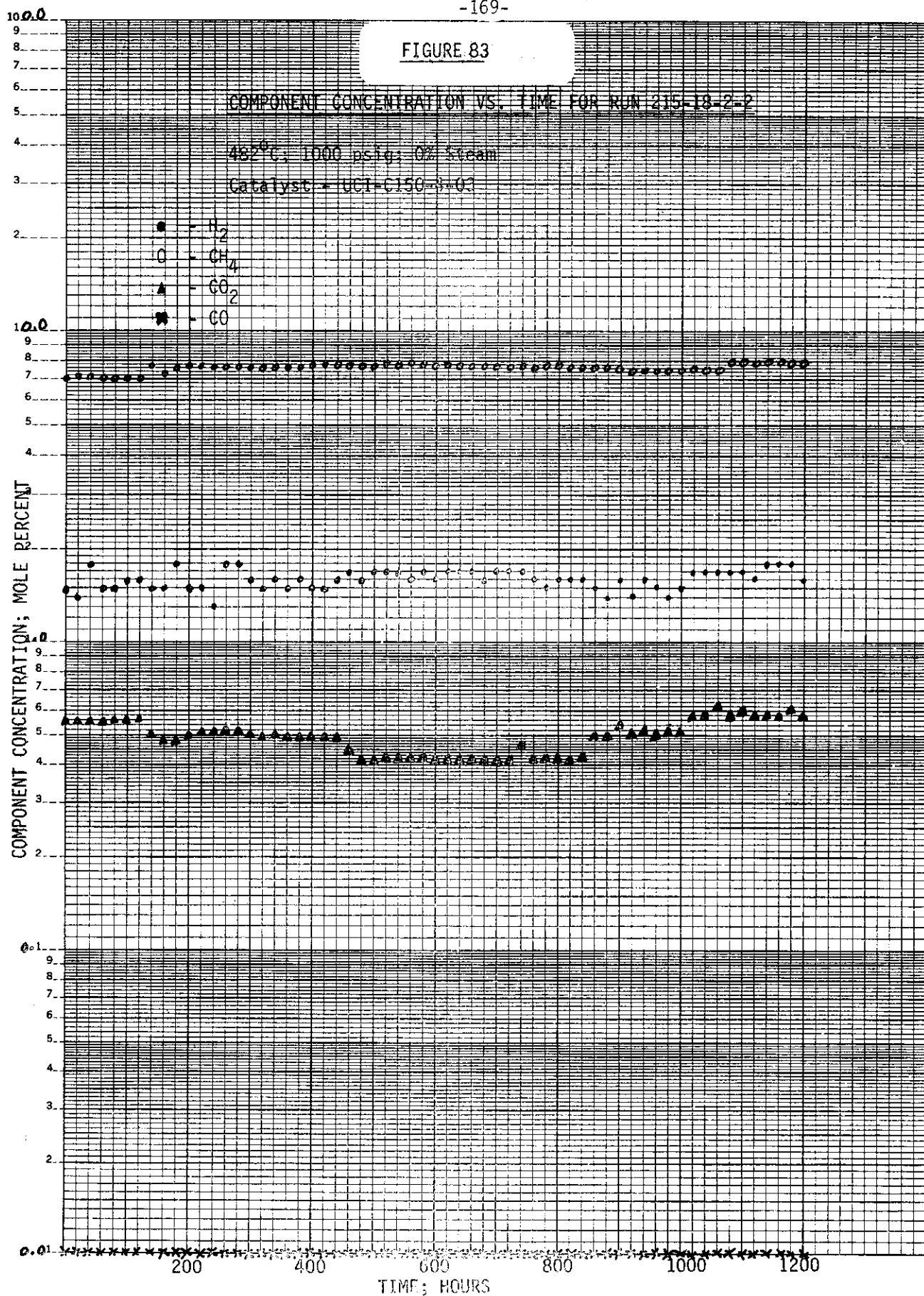


FIGURE 84

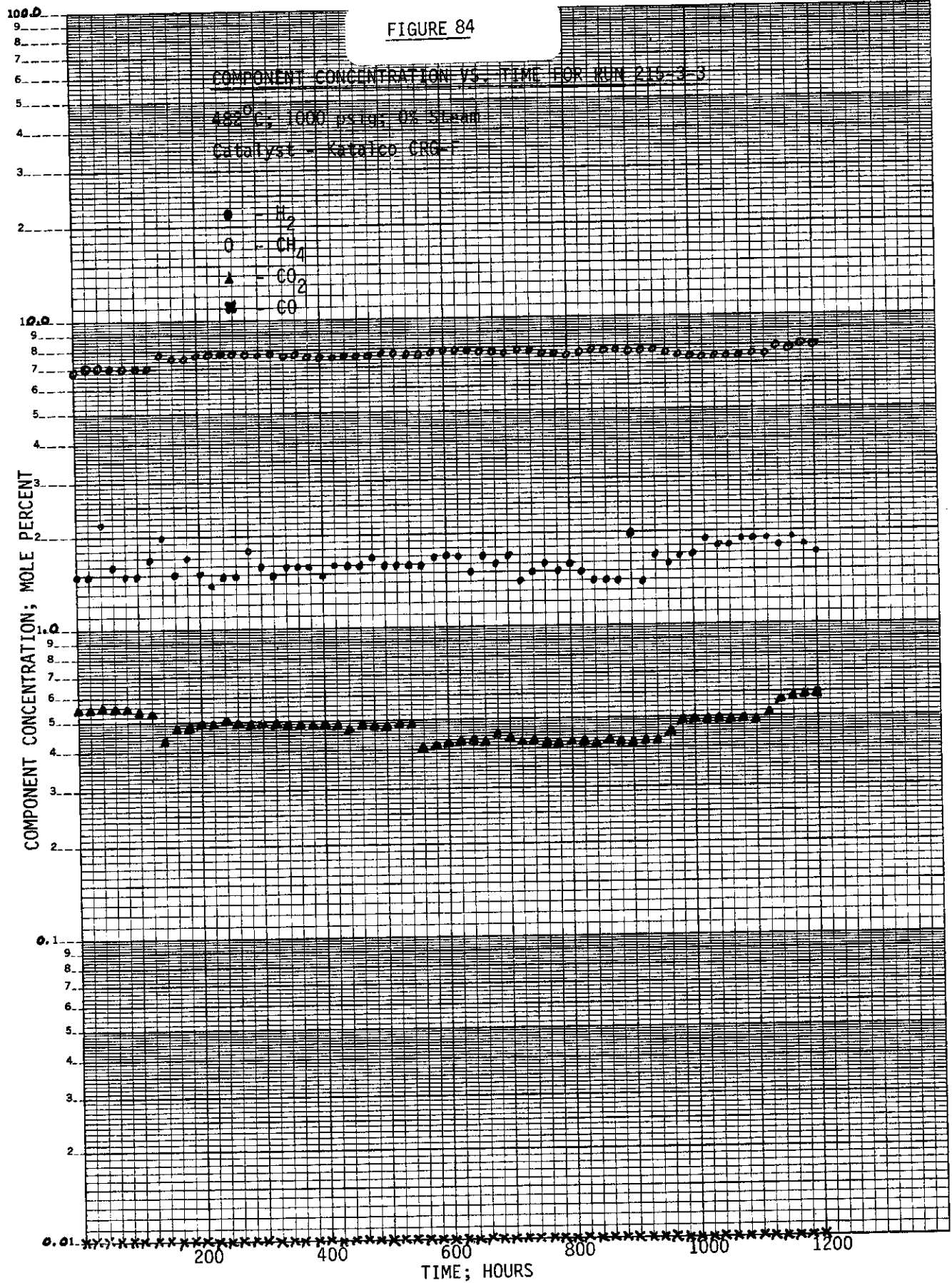


FIGURE 85

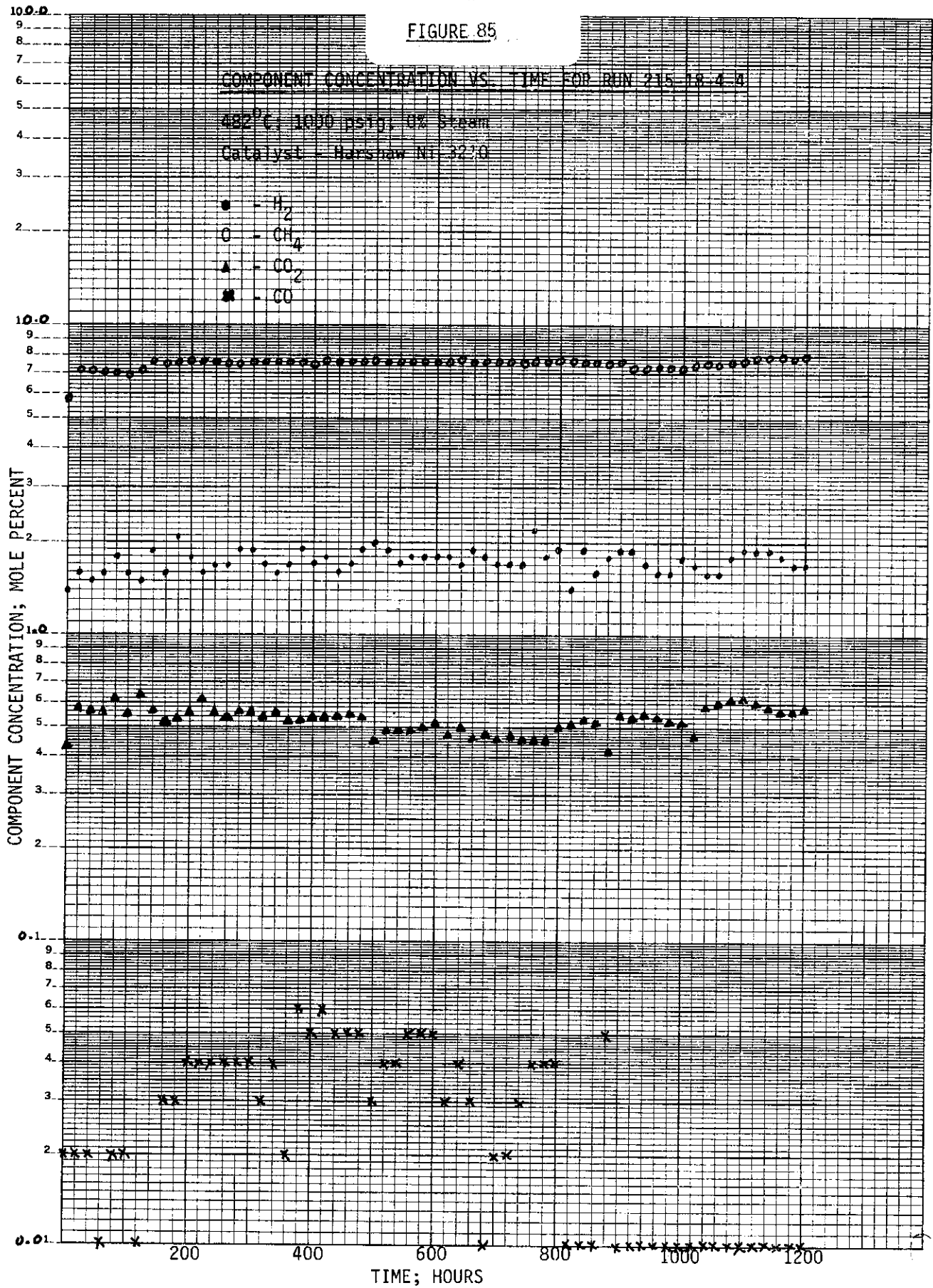
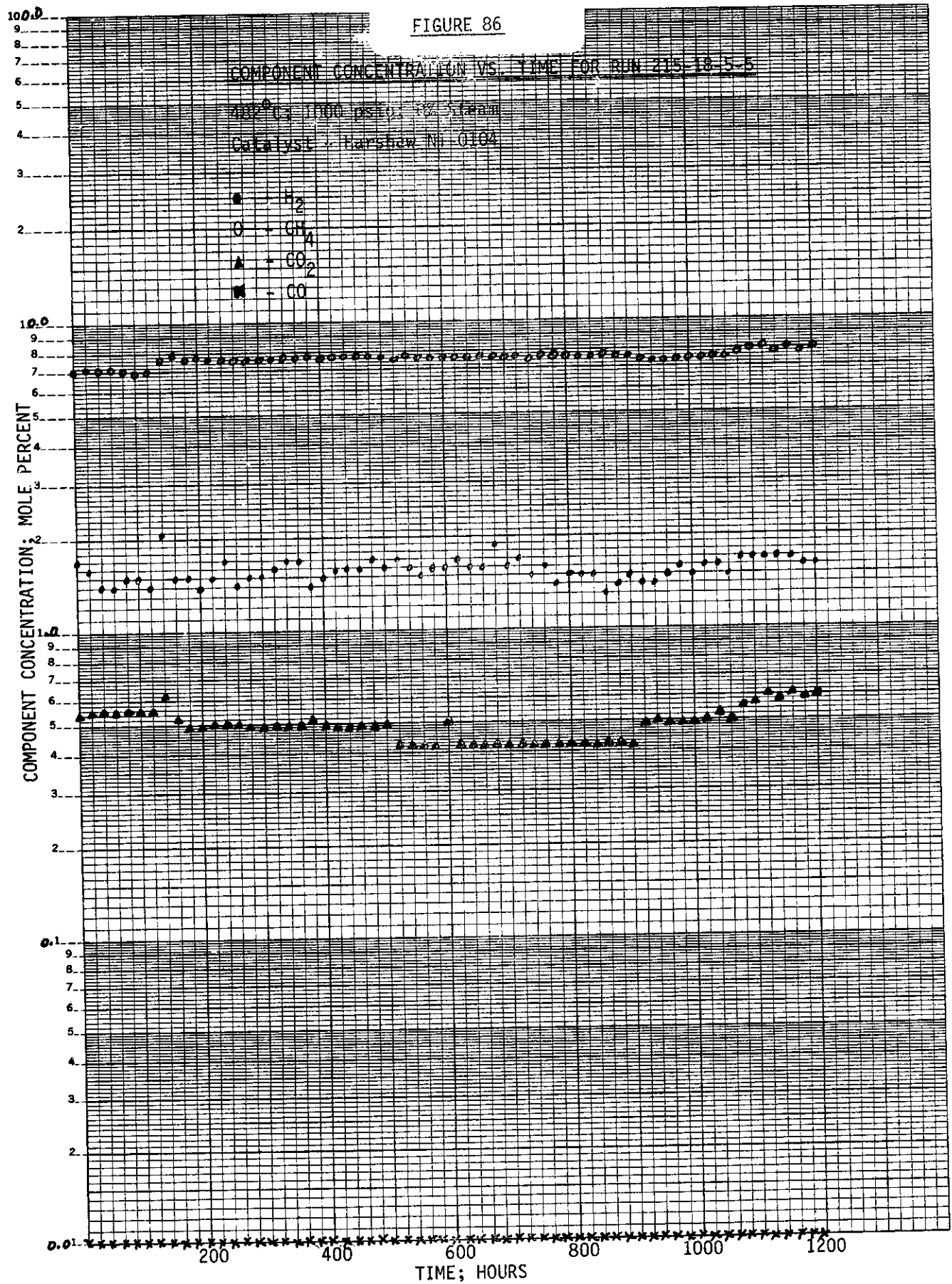


FIGURE 86



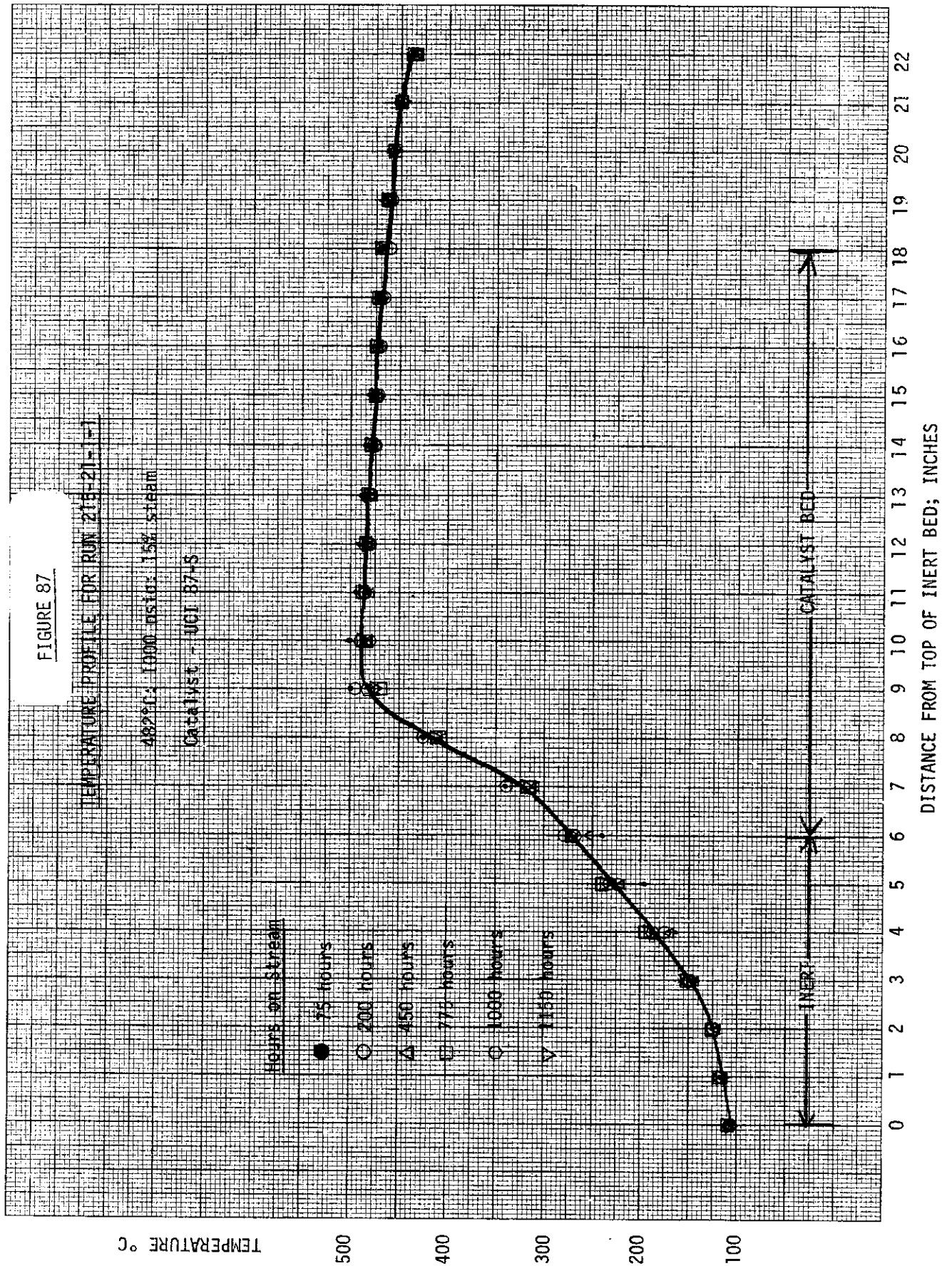


FIGURE 88

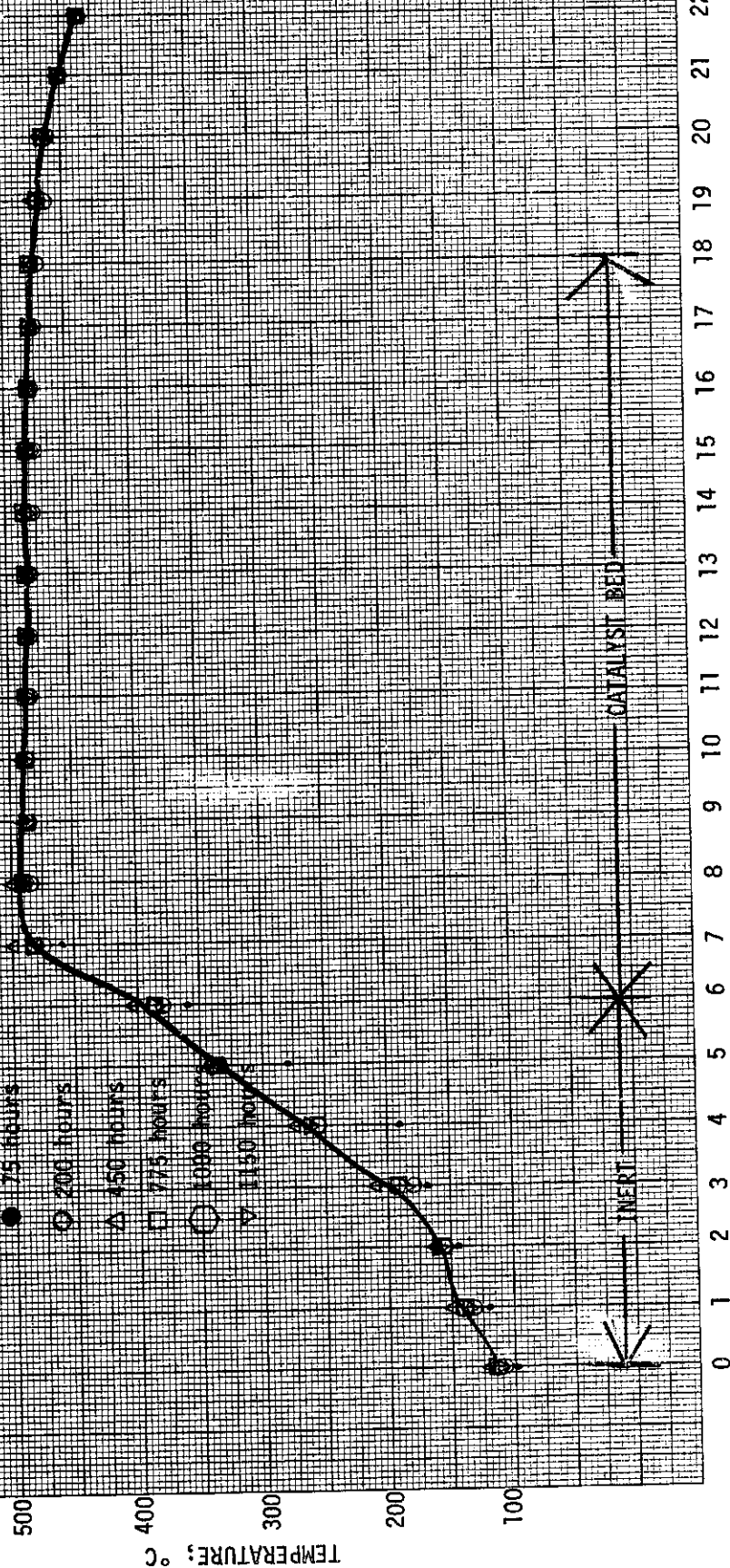
TEMPERATURE PROFILE FOR RUN 215-21-2-2

482°C, 1000 PSTG, 15% Steam

Catalysted - UCI - 0130-4-03

Hours on Stream

- 75 hours
- 200 hours
- △ 450 hours
- 775 hours
- 1000 hours
- ▽ 1150 hours



INERT CATALYST BED

DISTANCE FROM TOP OF INERT BED; INCHES

FIGURE 89

TEMPERATURE PROFILE FOR RUN 215-21-3-3

482°C, 1000 psig, 15% Steam

Catalyst - Katalco CRG-1F

Hours on Stream

● 75 hours

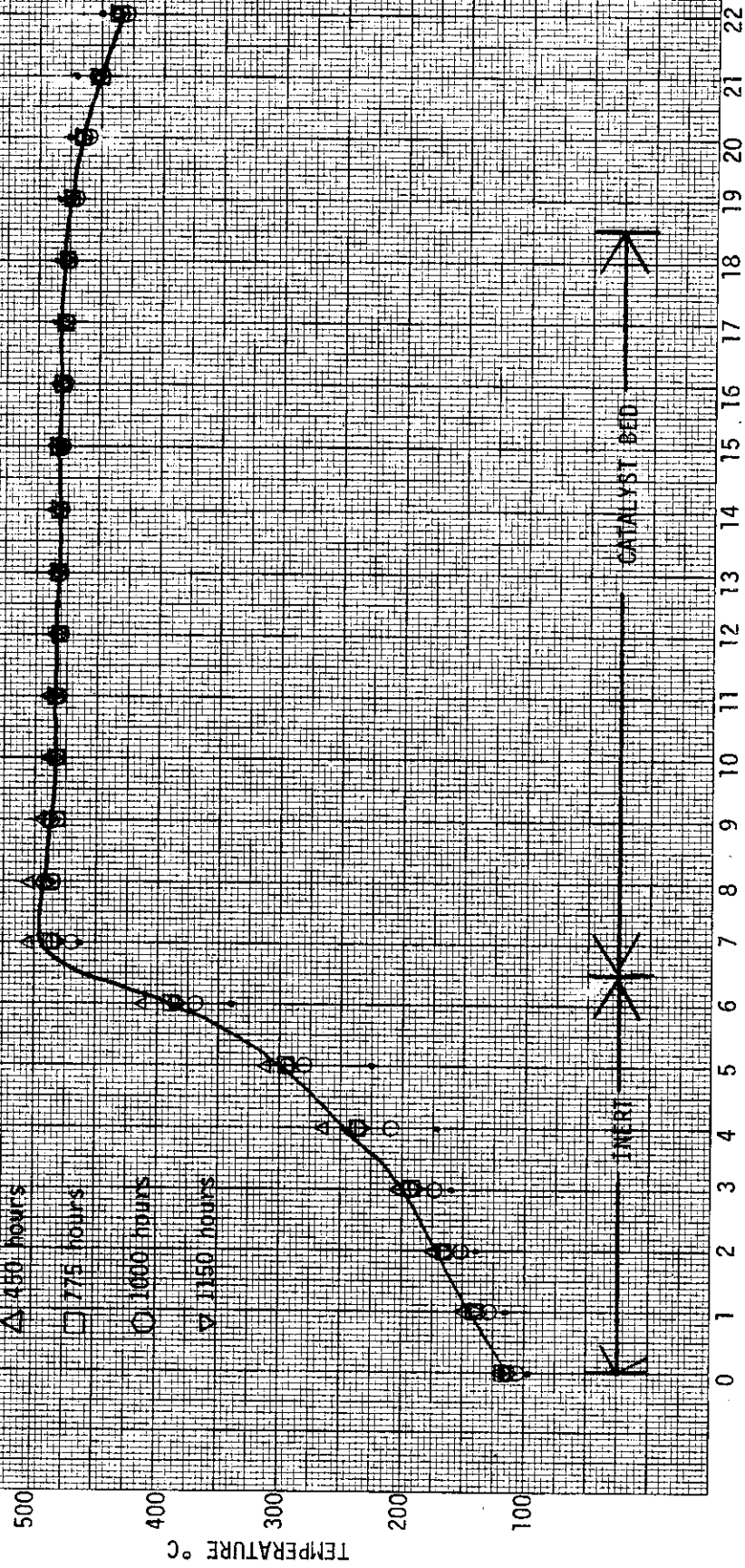
○ 200 hours

△ 450 hours

□ 775 hours

○ 1000 hours

▽ 1150 hours



INERT CATALYST BED

DISTANCE FROM TOP OF INERT BED; INCHES

FIGURE 90

TEMPERATURE PROFILE FOR RUN 215-21-4-4

48286, 1000 psig, 15% Steam

Catalyst - Harshaw Ni-3210

Hours on Stream

● 75 hours

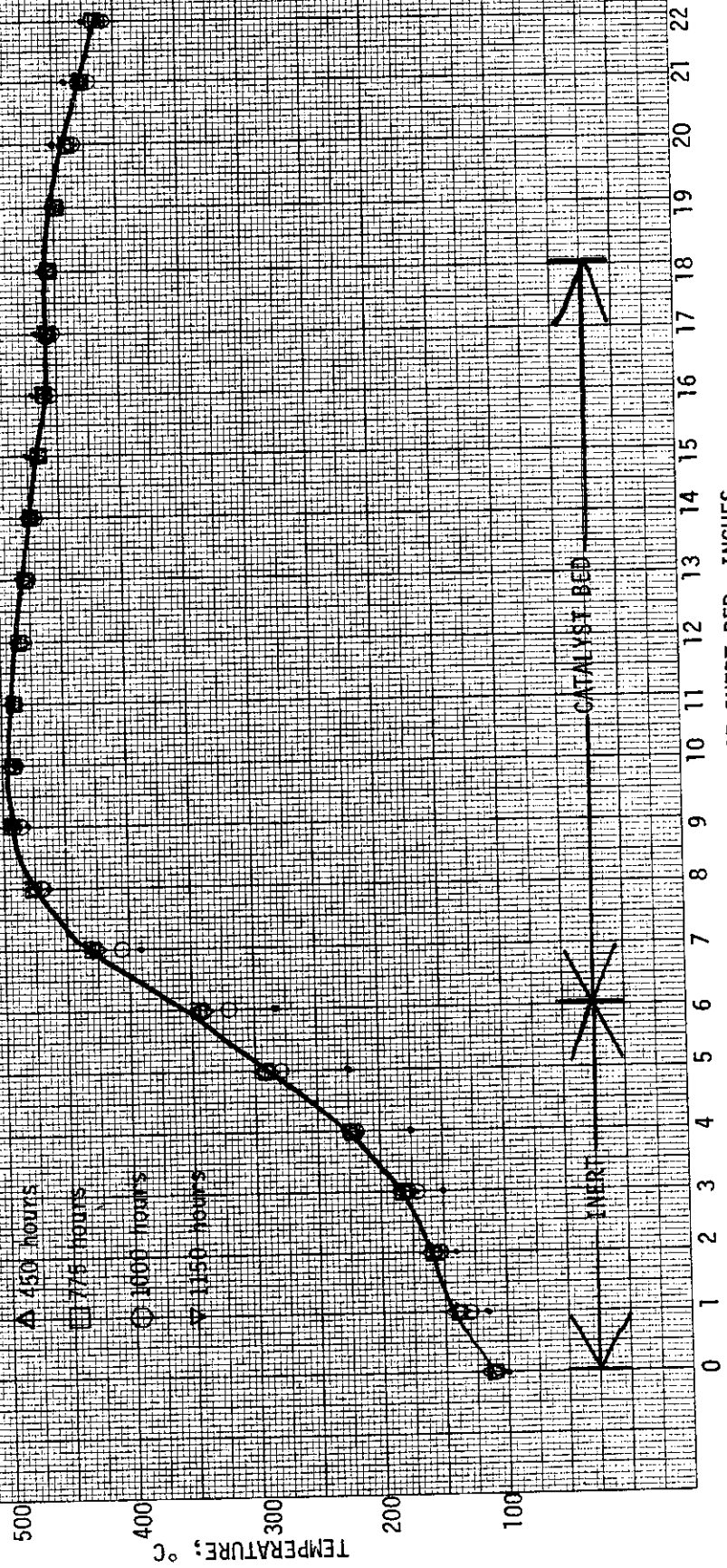
○ 200 hours

△ 450 hours

□ 775 hours

○ 1000 hours

▽ 1150 hours



DISTANCE FROM TOP OF INERT BED; INCHES

FIGURE 91

TEMPERATURE PROFILE FOR RUN 215-21-5-5

Hours on Stream

482°C; 1000 psig; 15% Steam

Catalyst - Harshaw Ni-Q104

● 75 hours

○ 200 hours

△ 450 hours

□ 775 hours

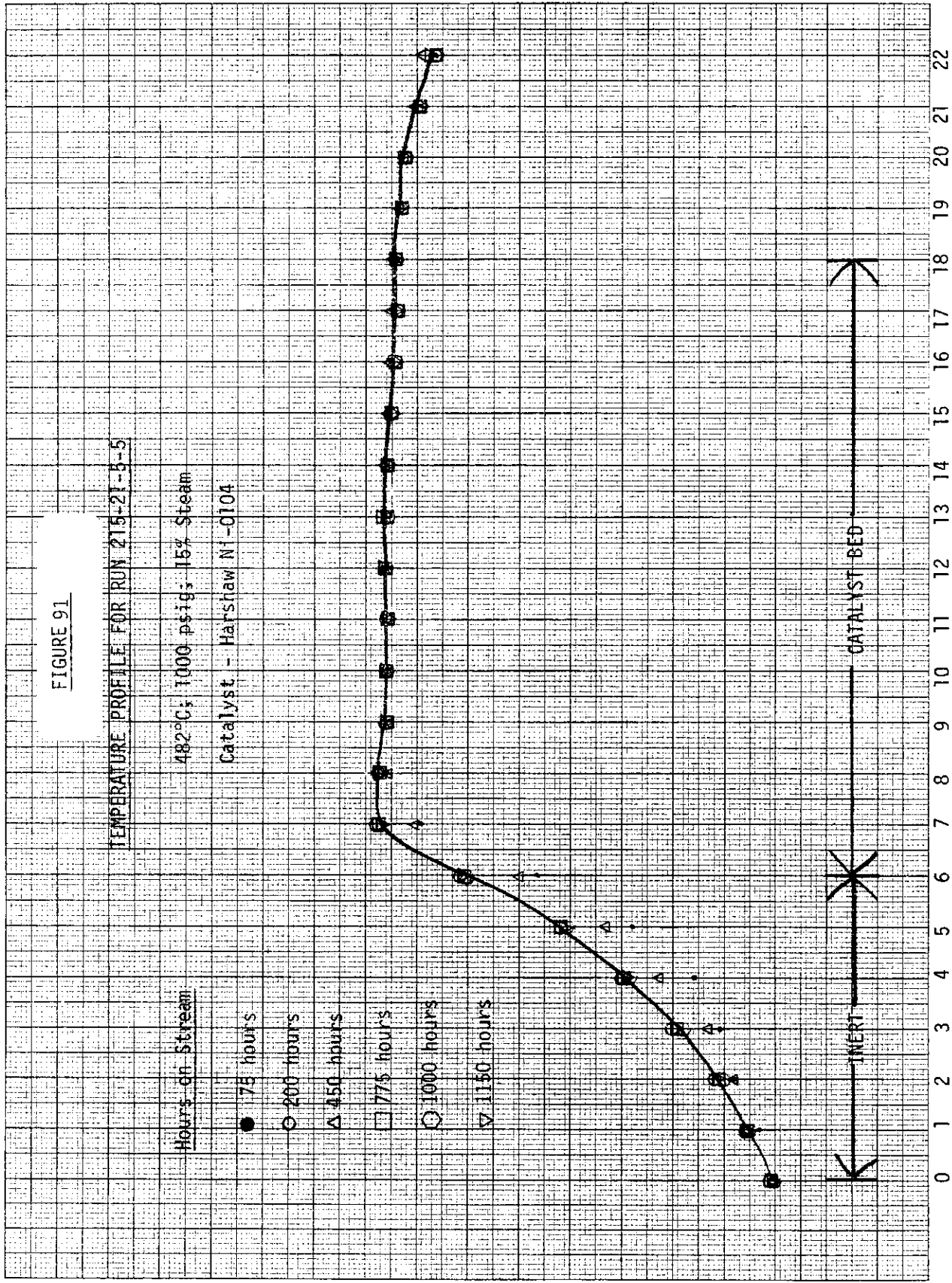
○ 1000 hours

▽ 1150 hours

TEMPERATURE °C

DISTANCE FROM TOP OF INERT BED; INCHES

INERT CATALYST BED



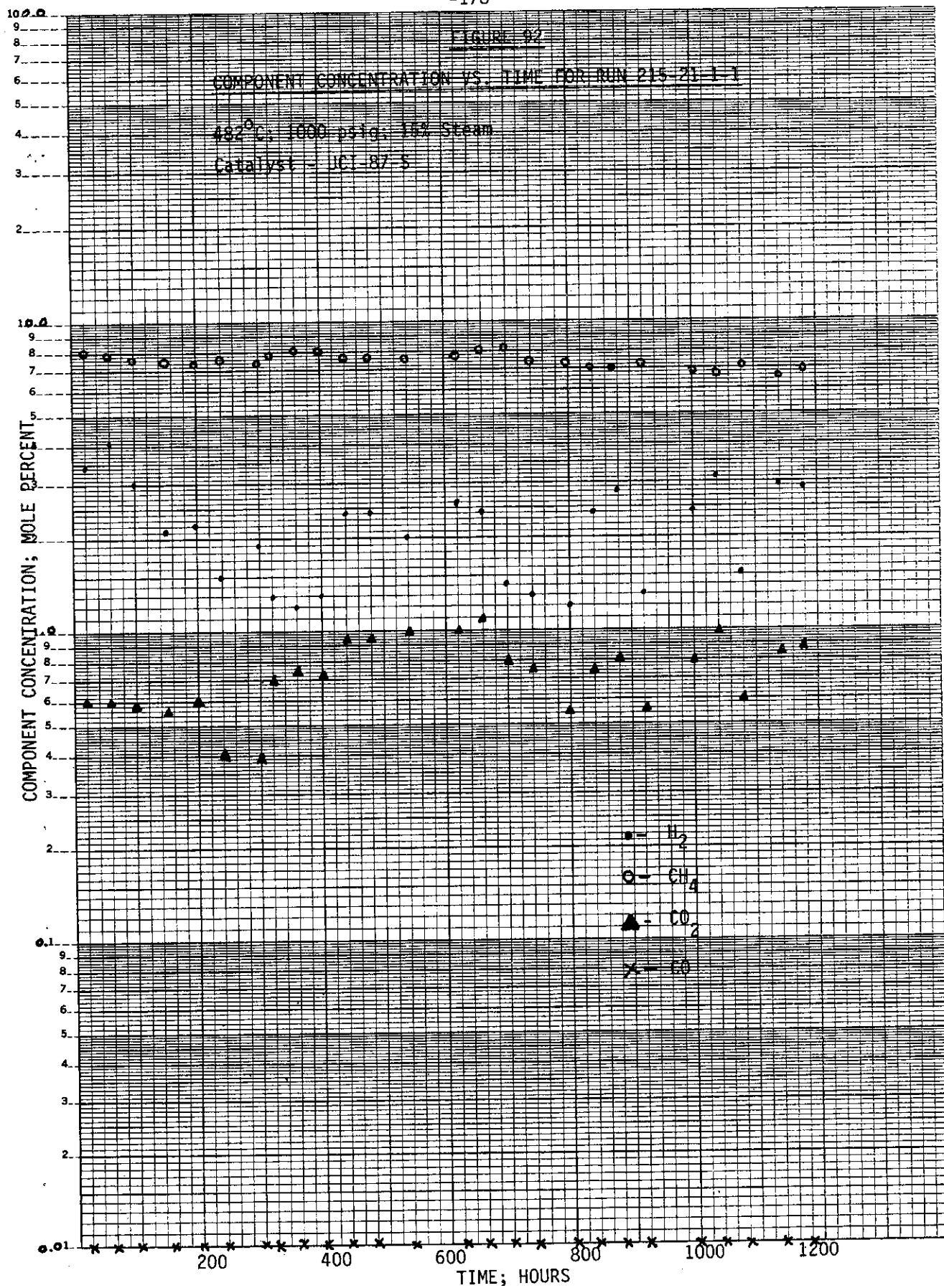
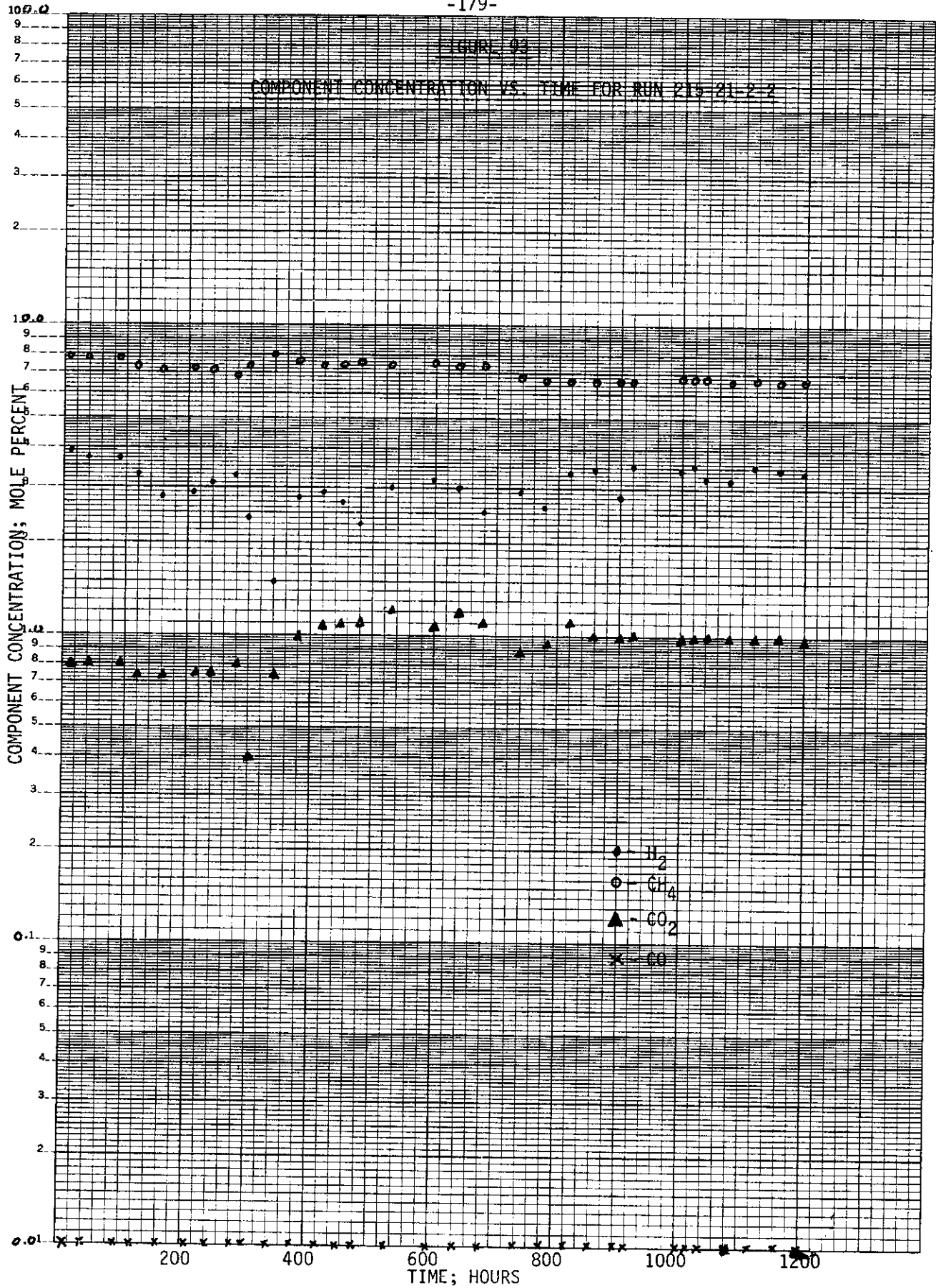
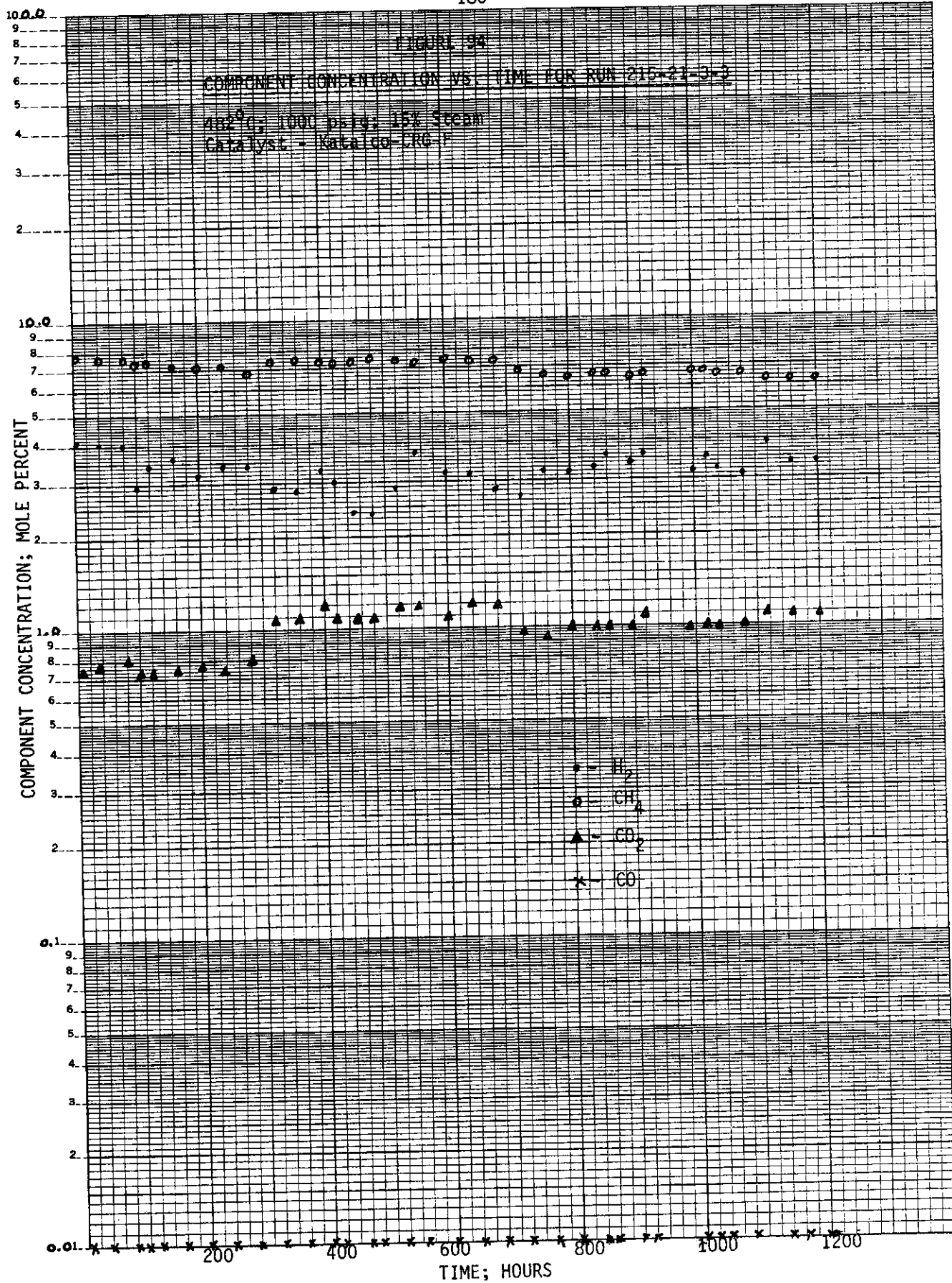
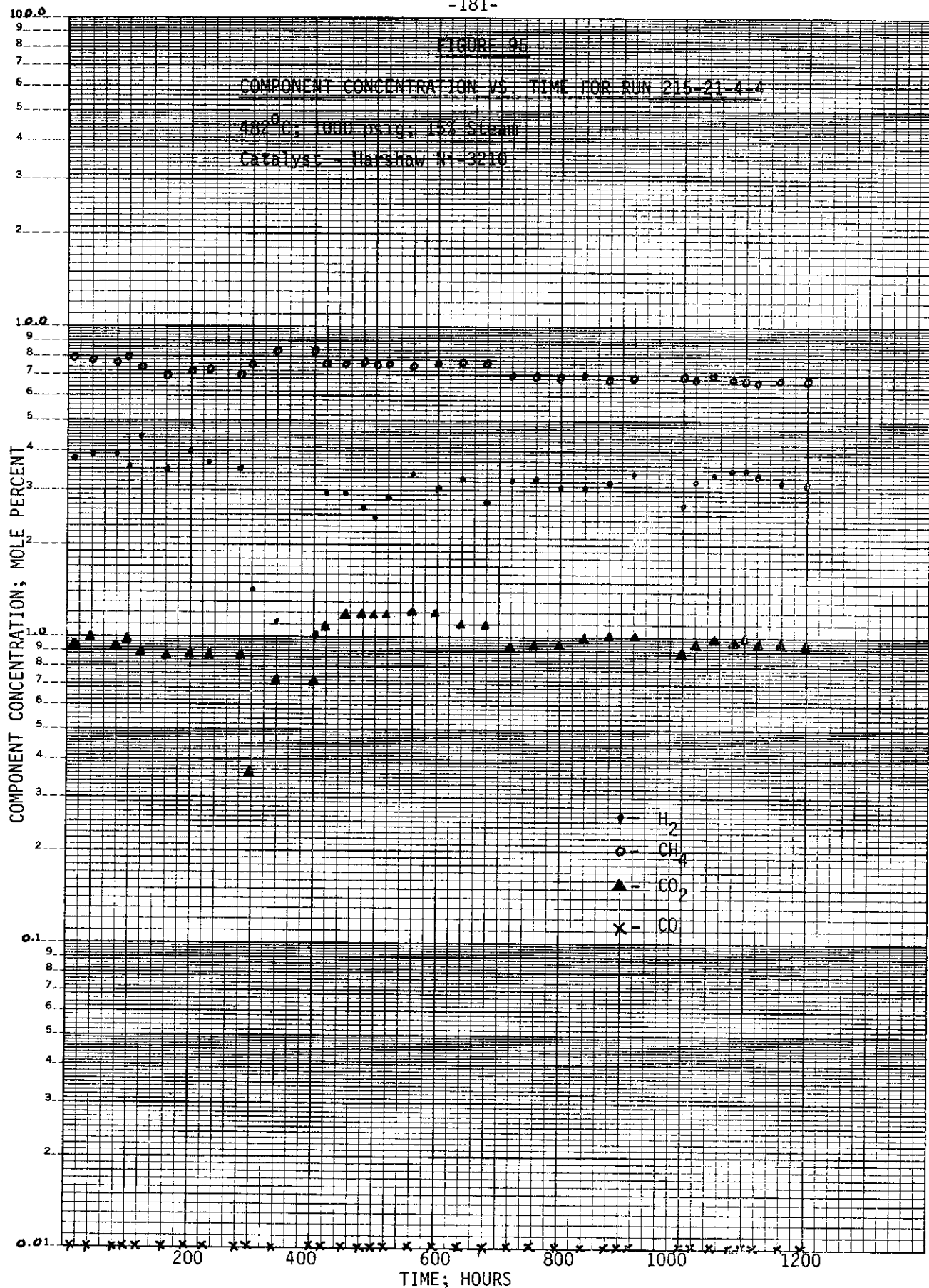


FIGURE 93

COMPONENT CONCENTRATION VS. TIME FOR RUN 215-21-2-2







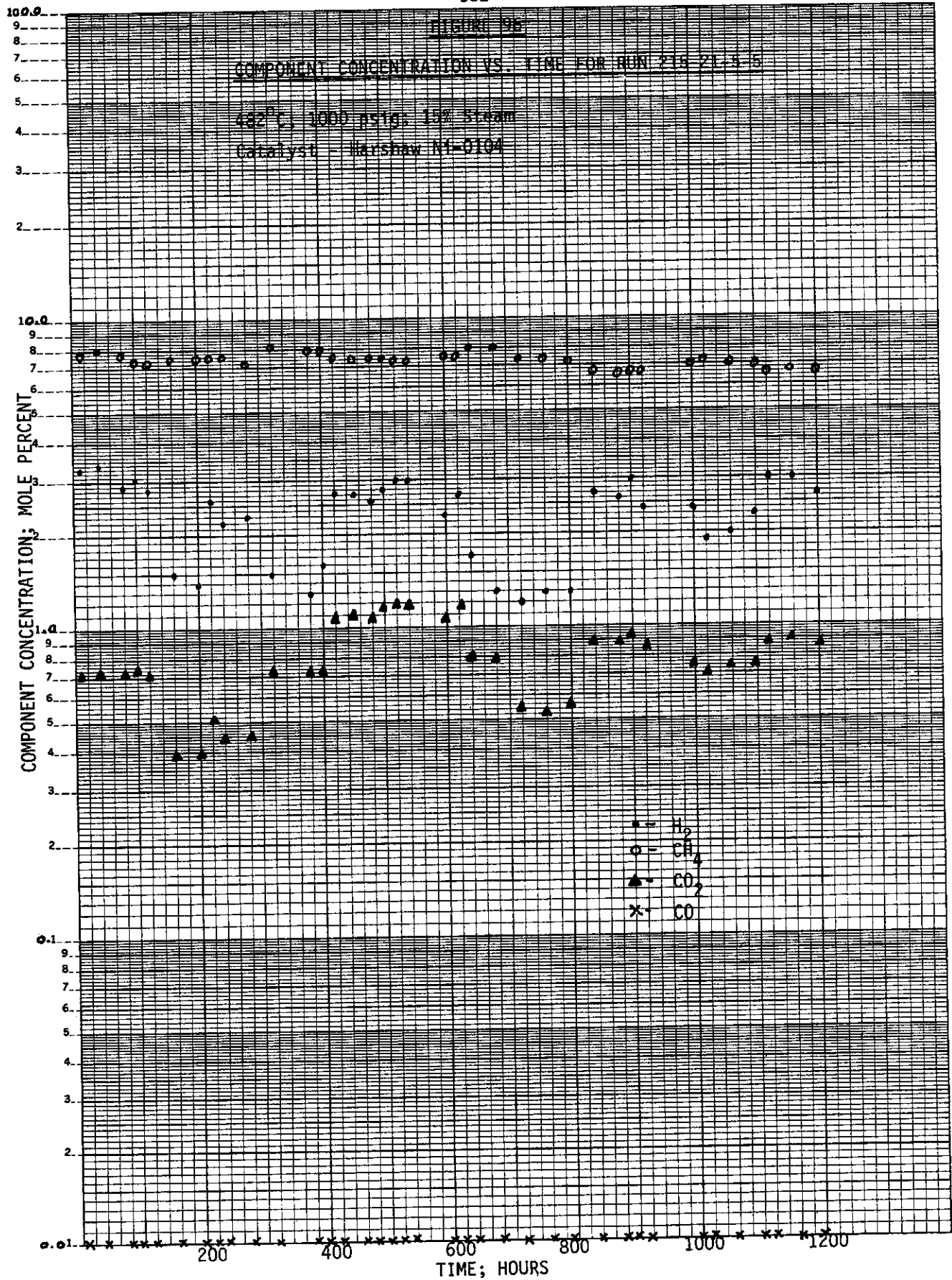


FIGURE 97

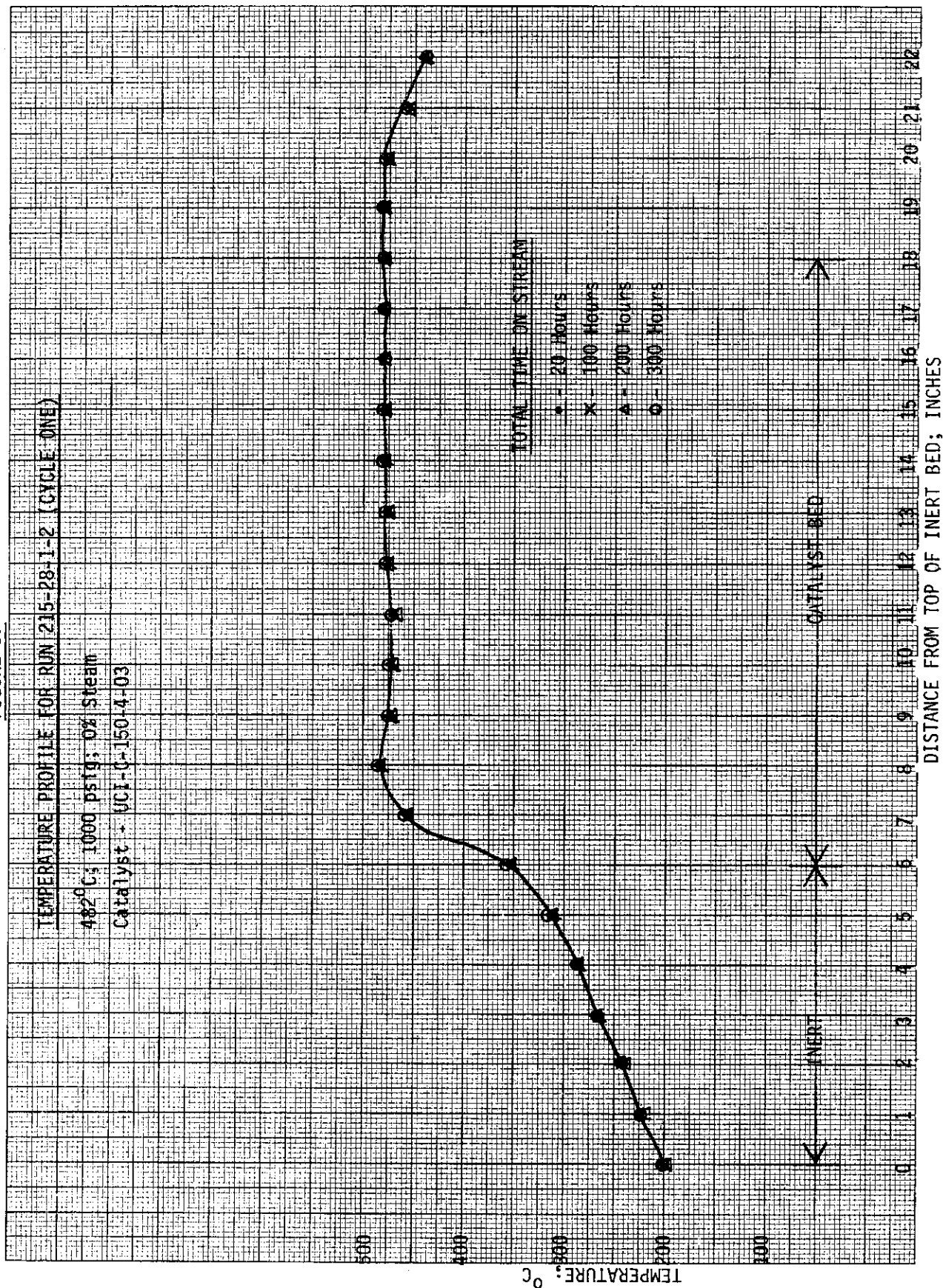


FIGURE 98

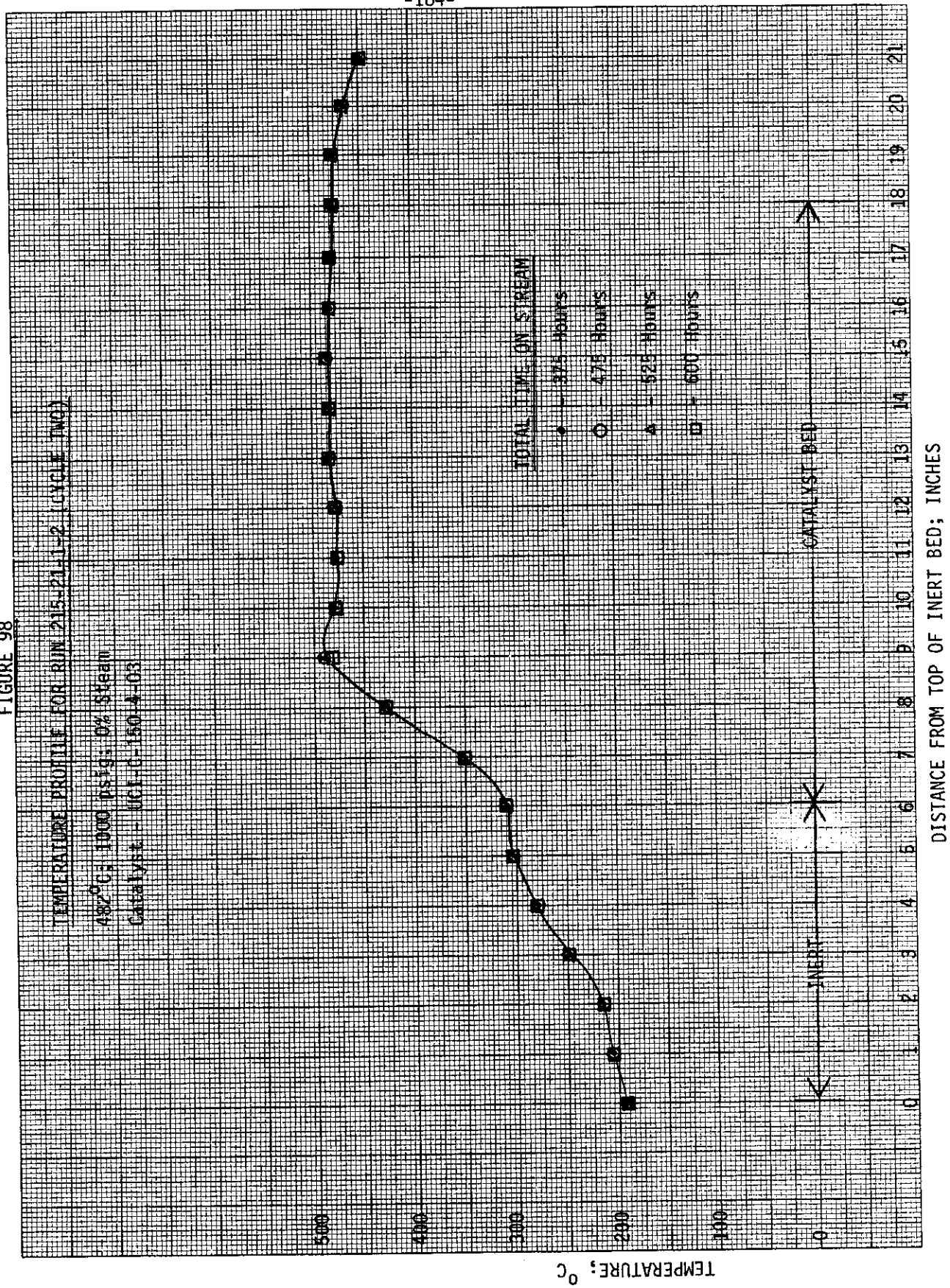


FIGURE 99

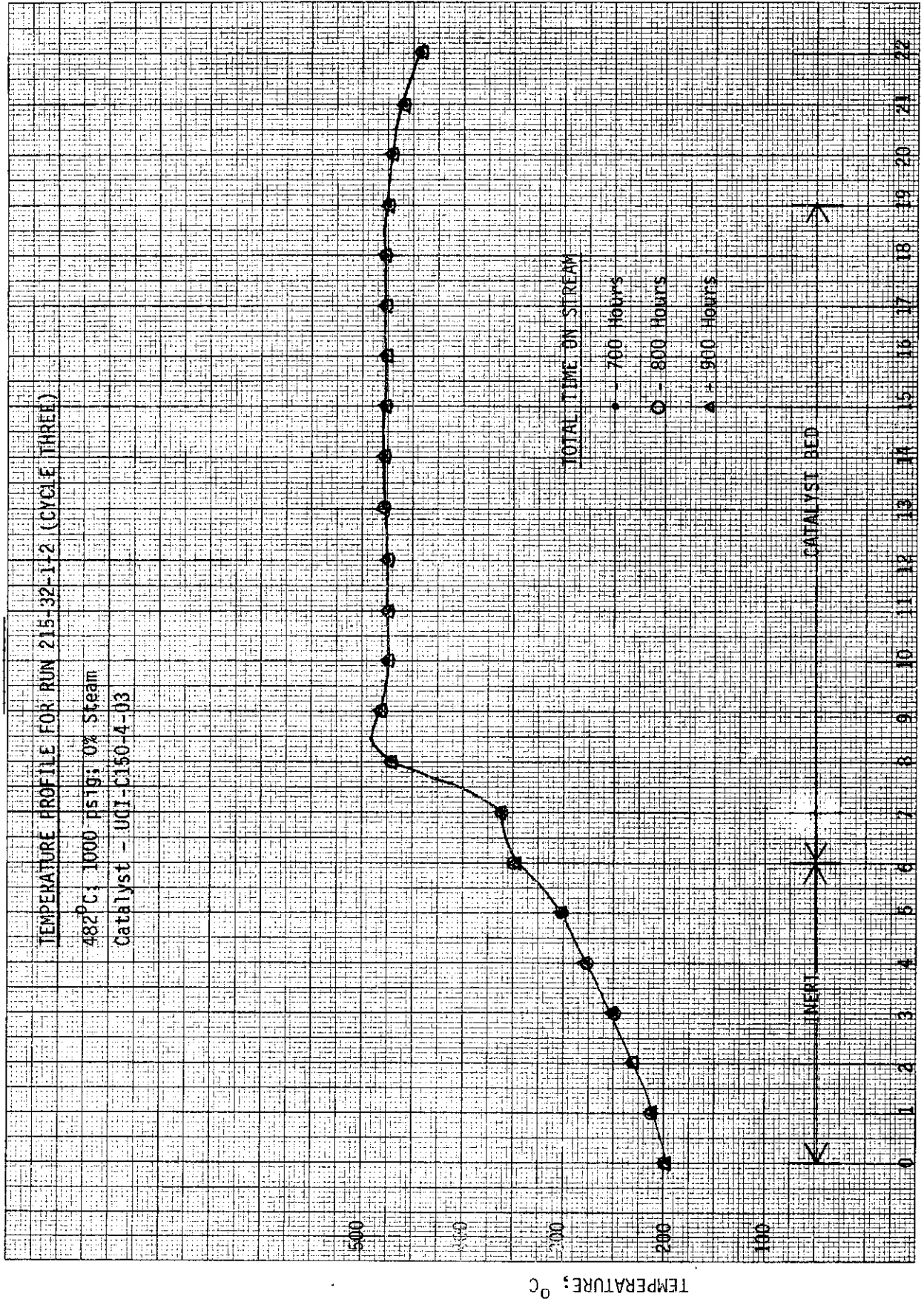


FIGURE 100

