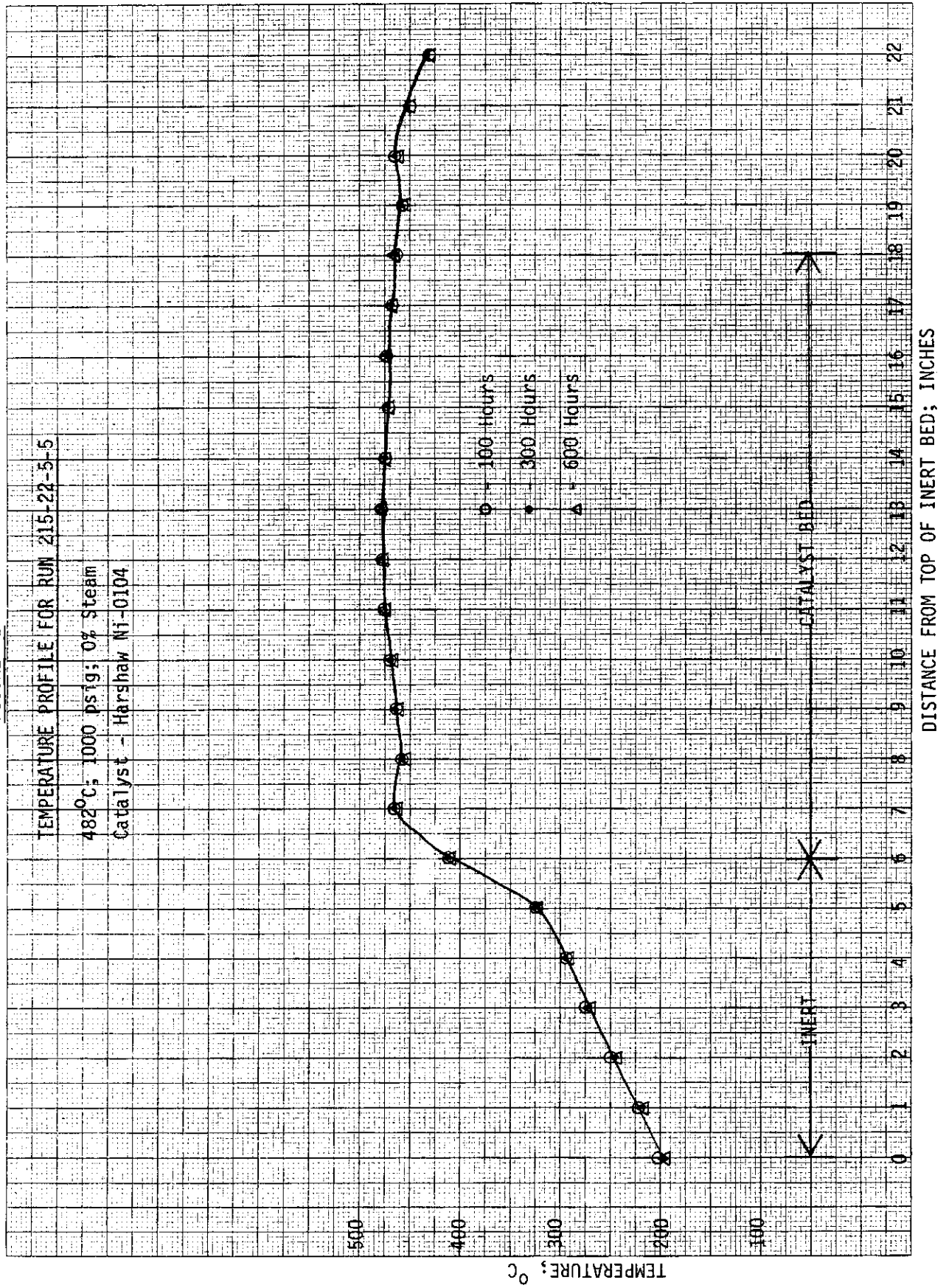
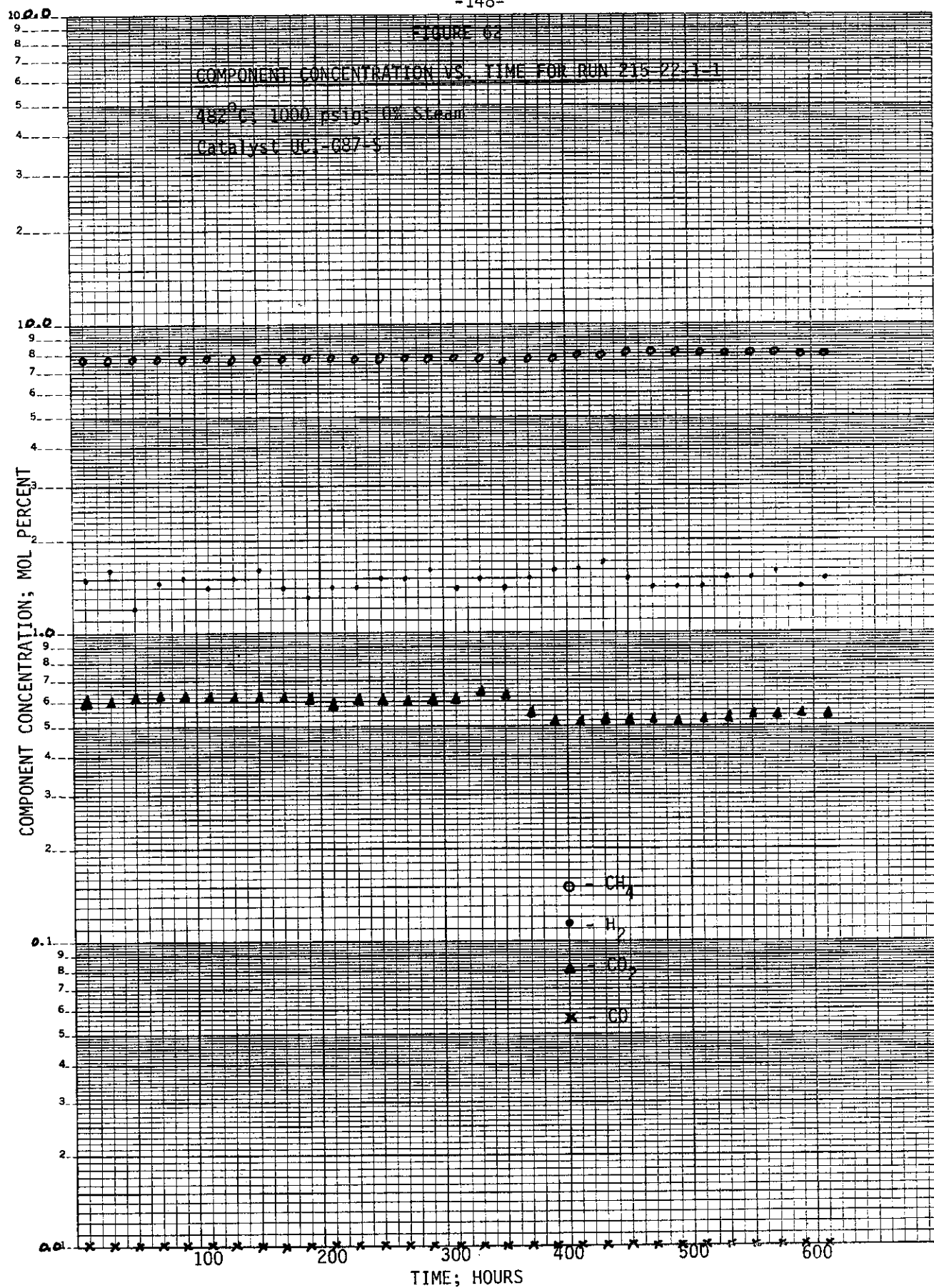
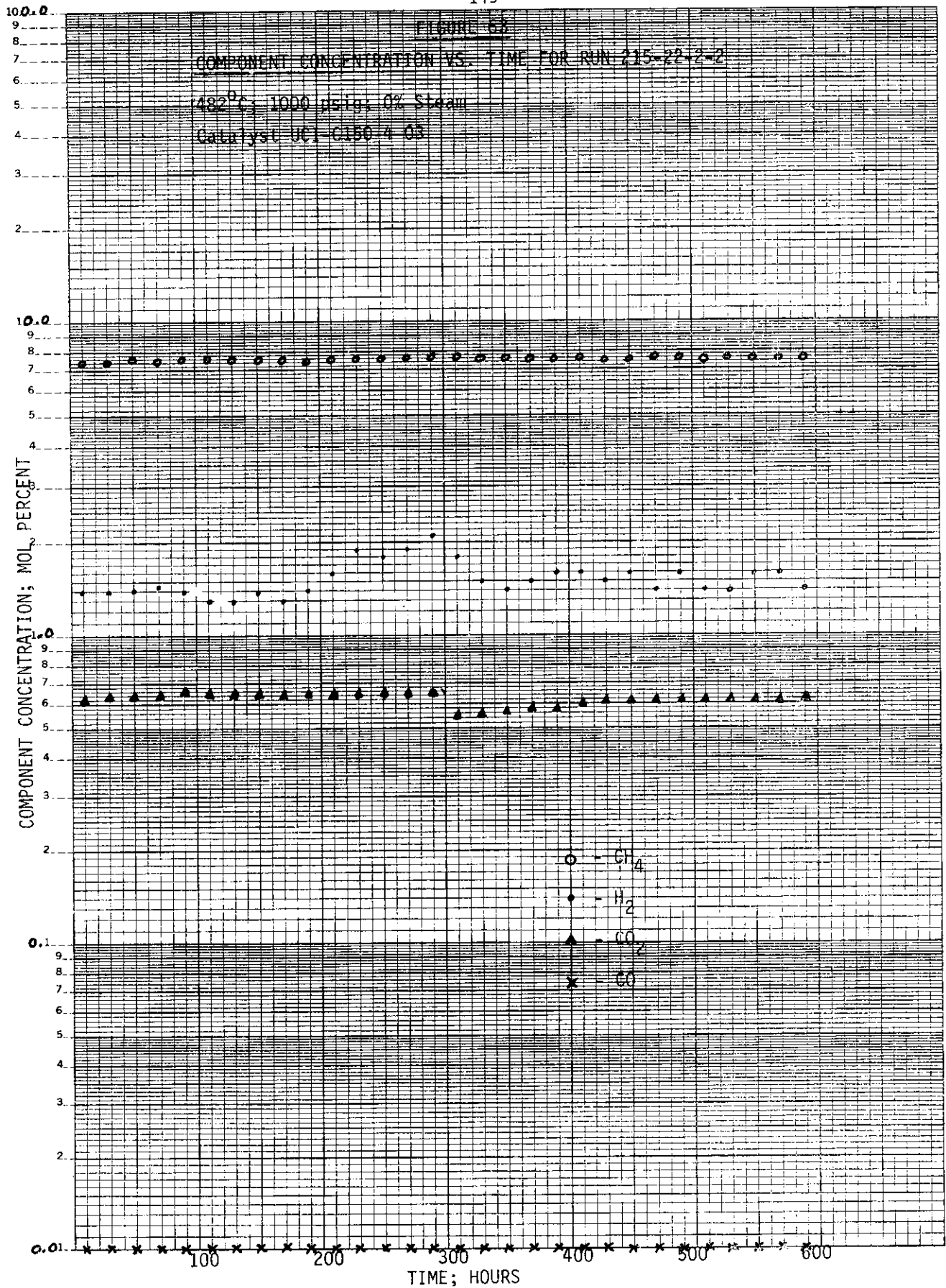
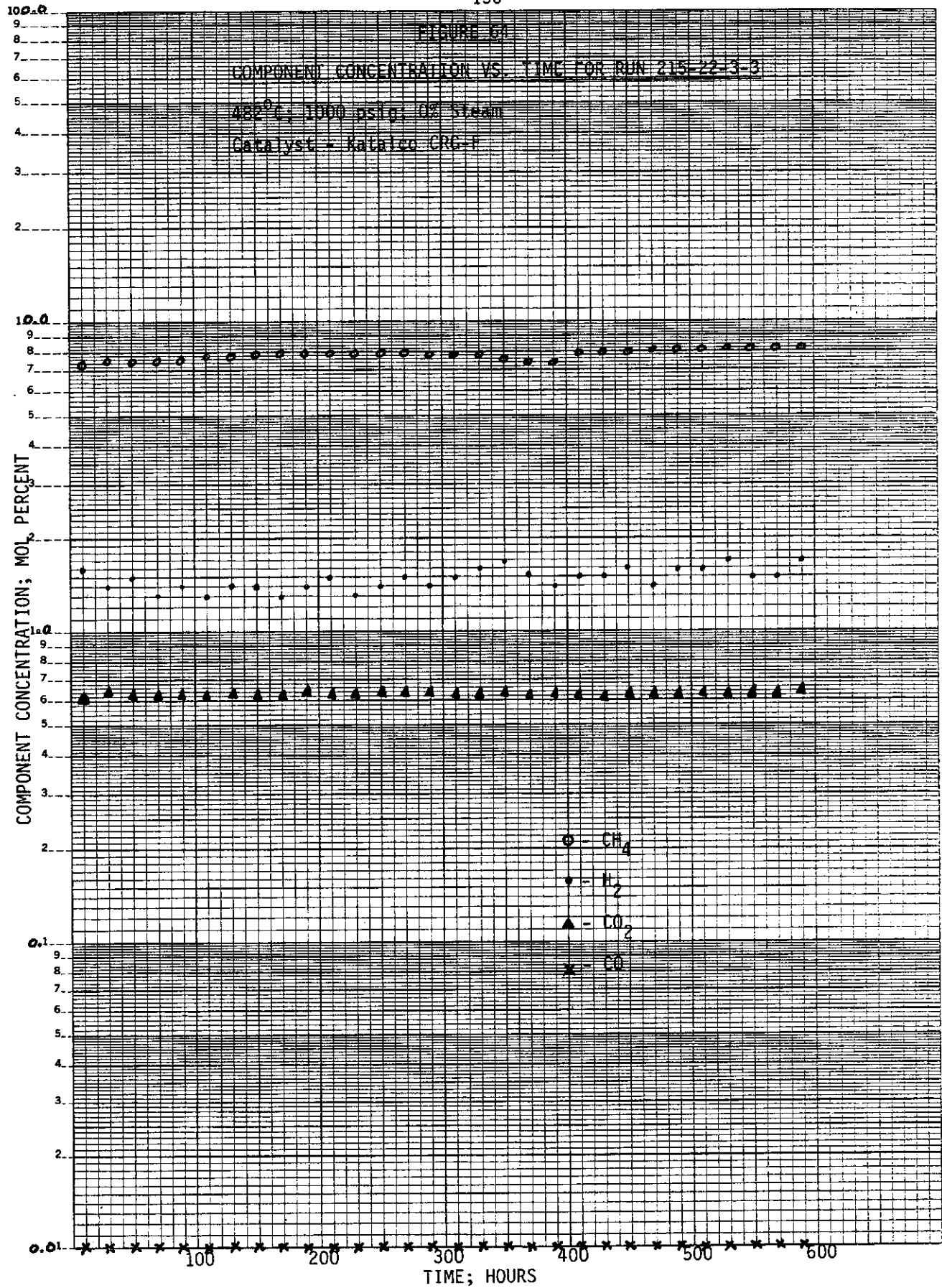


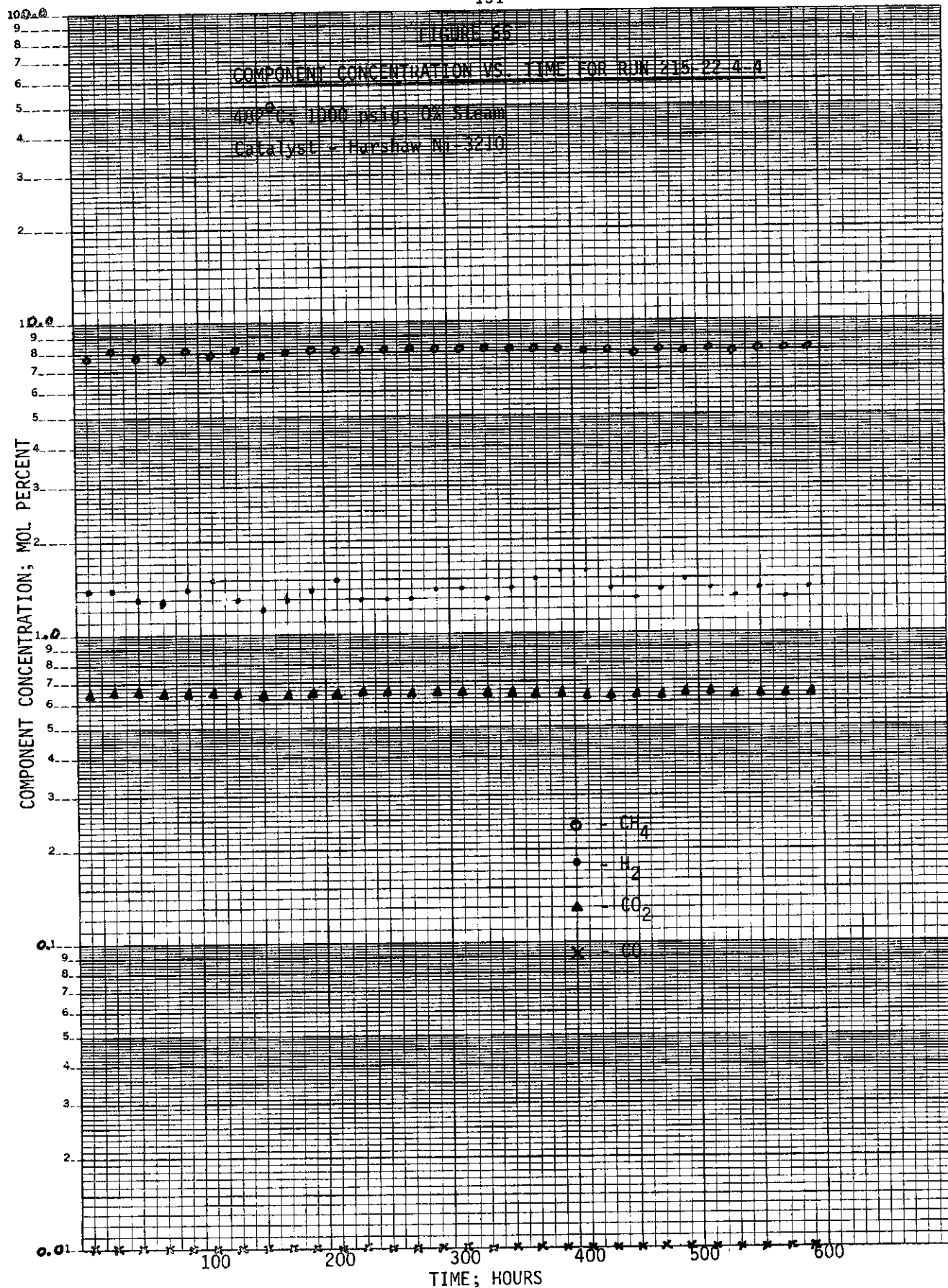
FIGURE 61











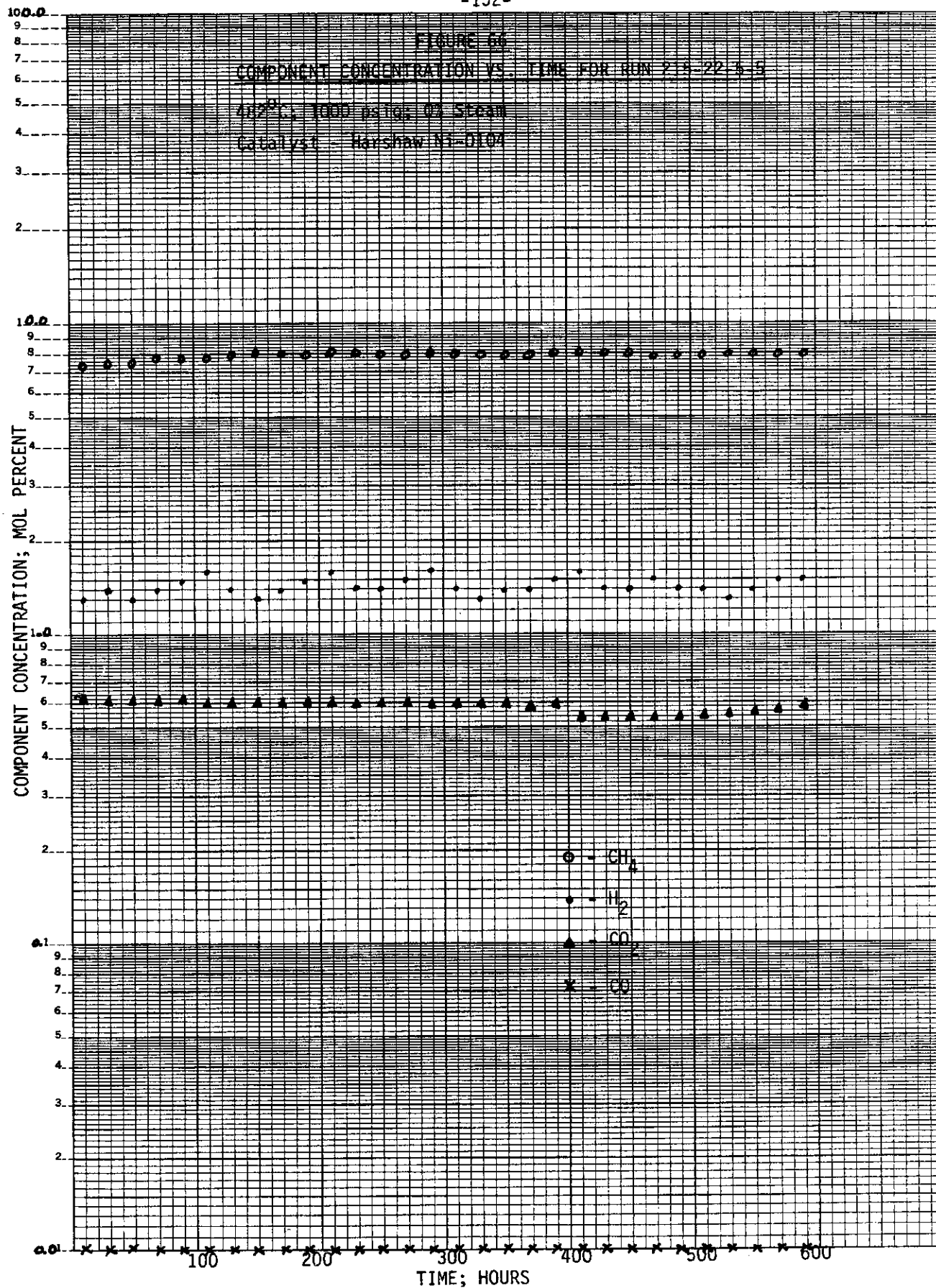


FIGURE 67

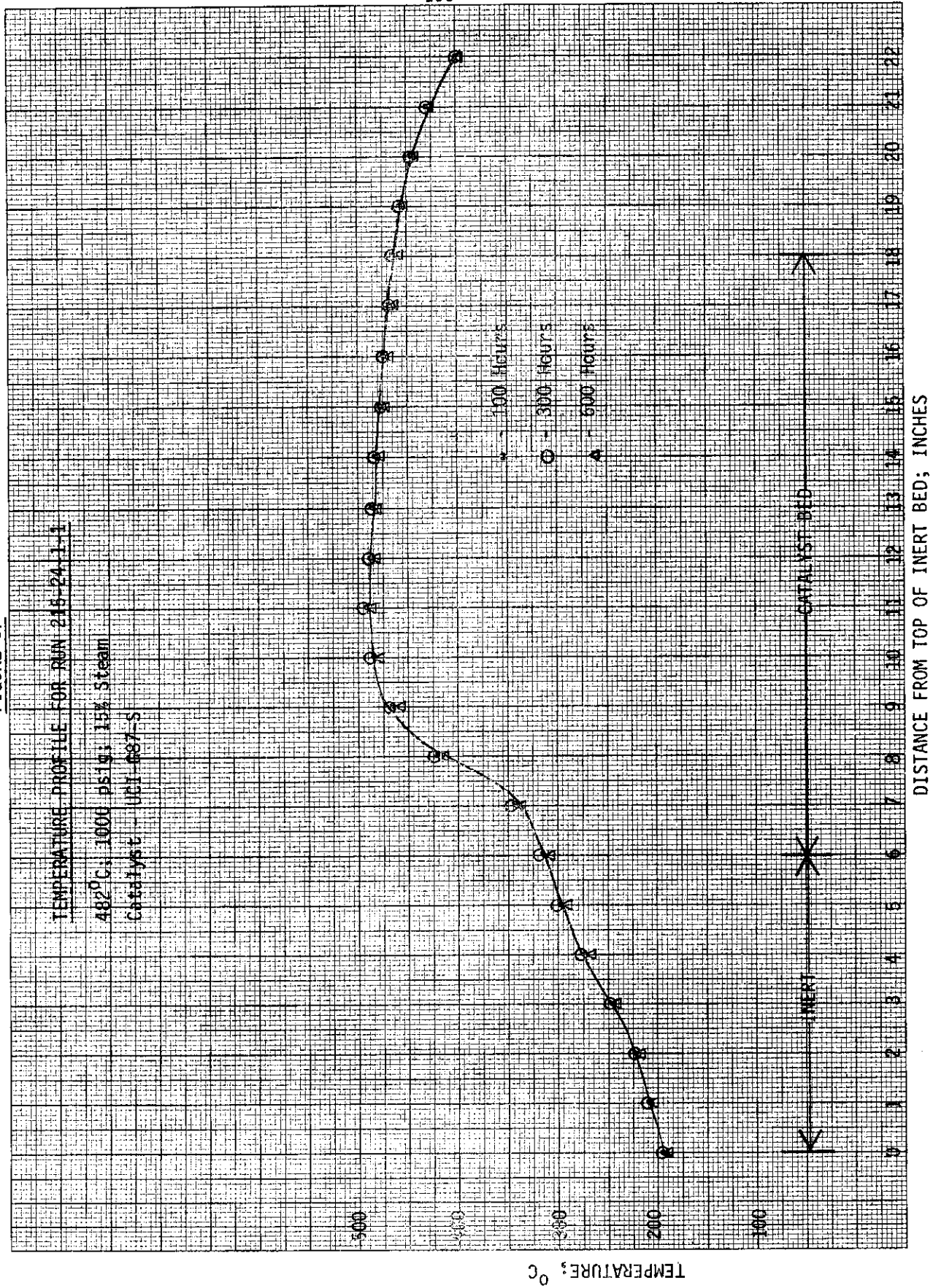


FIGURE 68

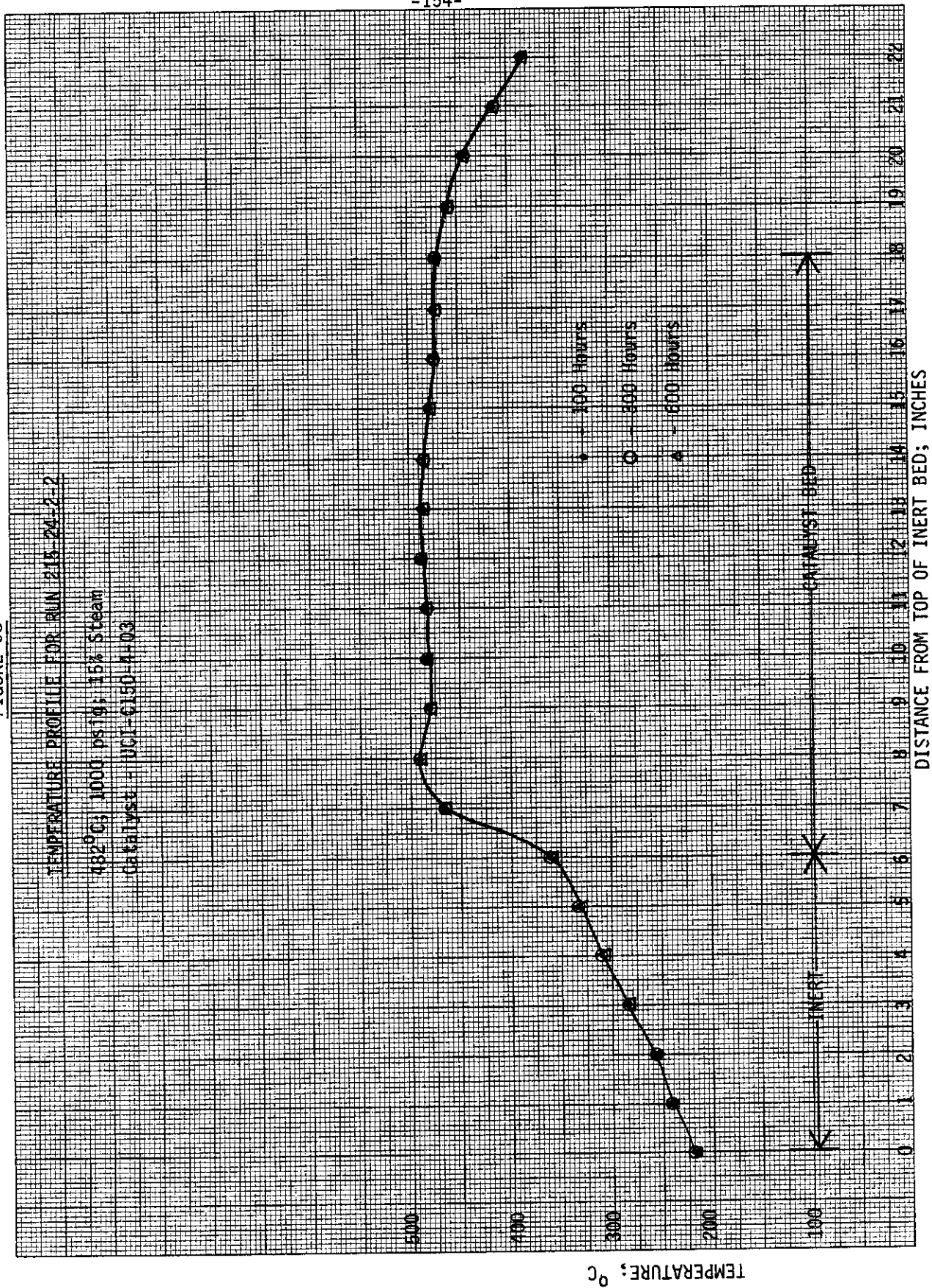


FIGURE 69

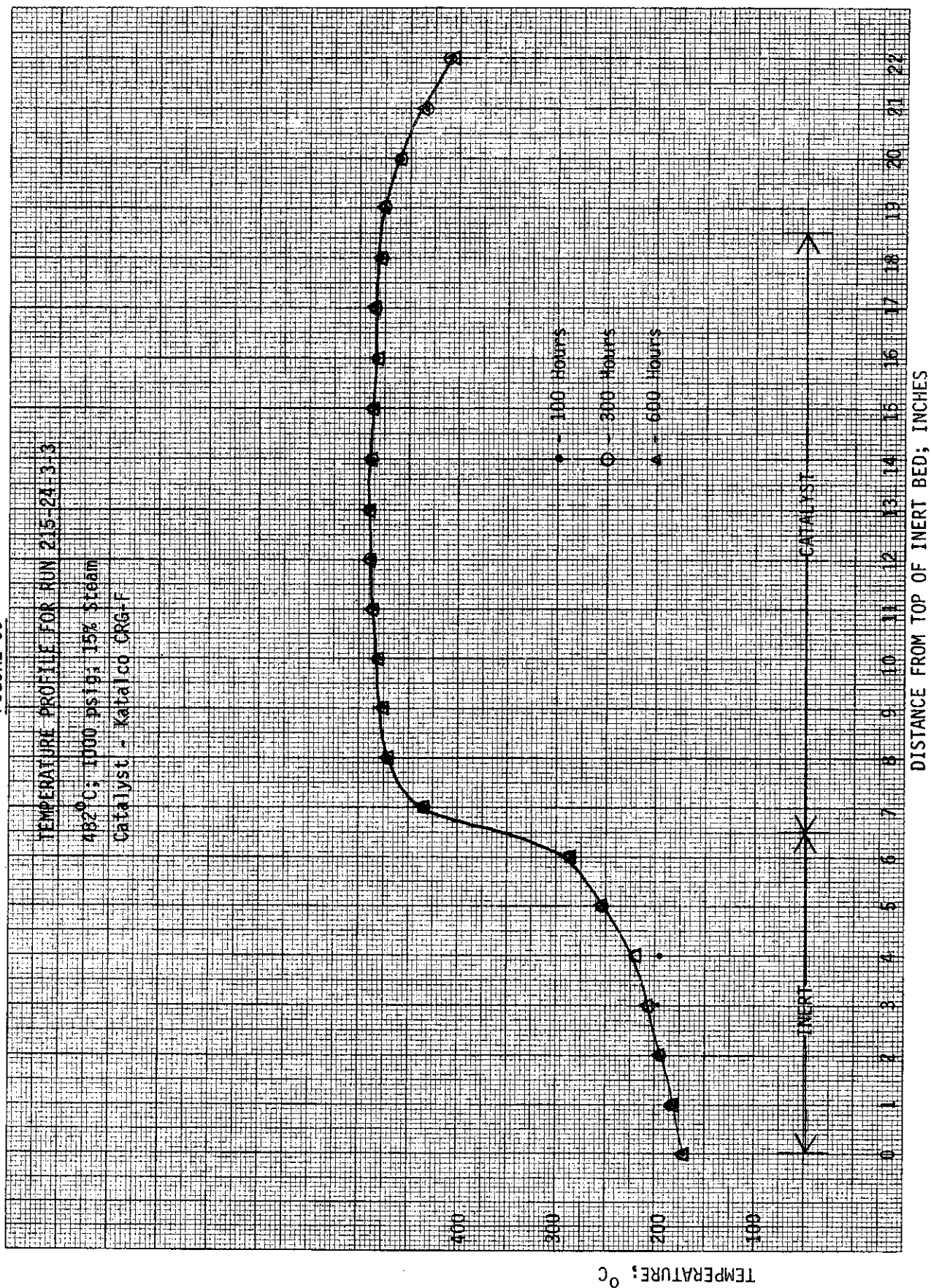


FIGURE 70

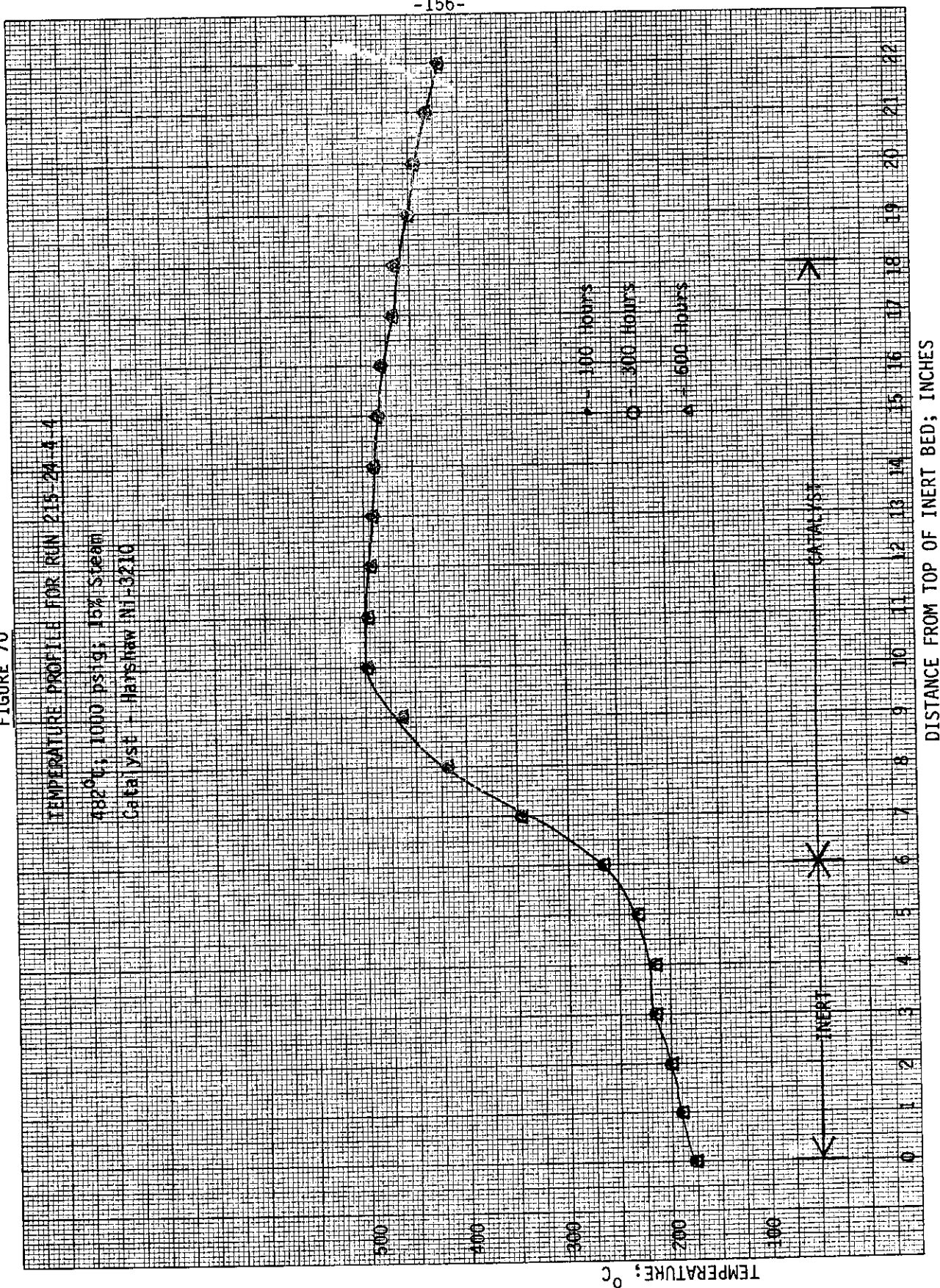
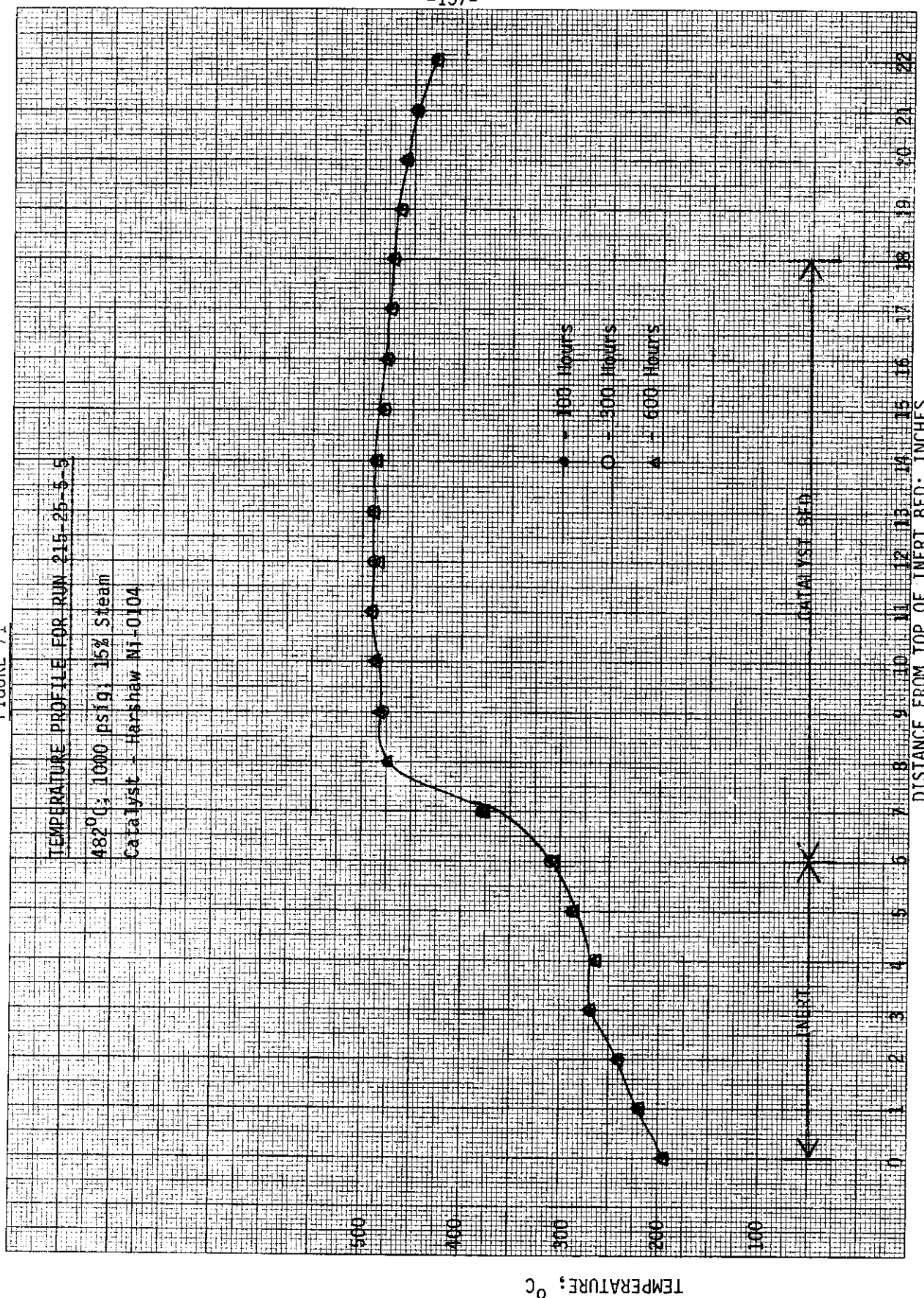
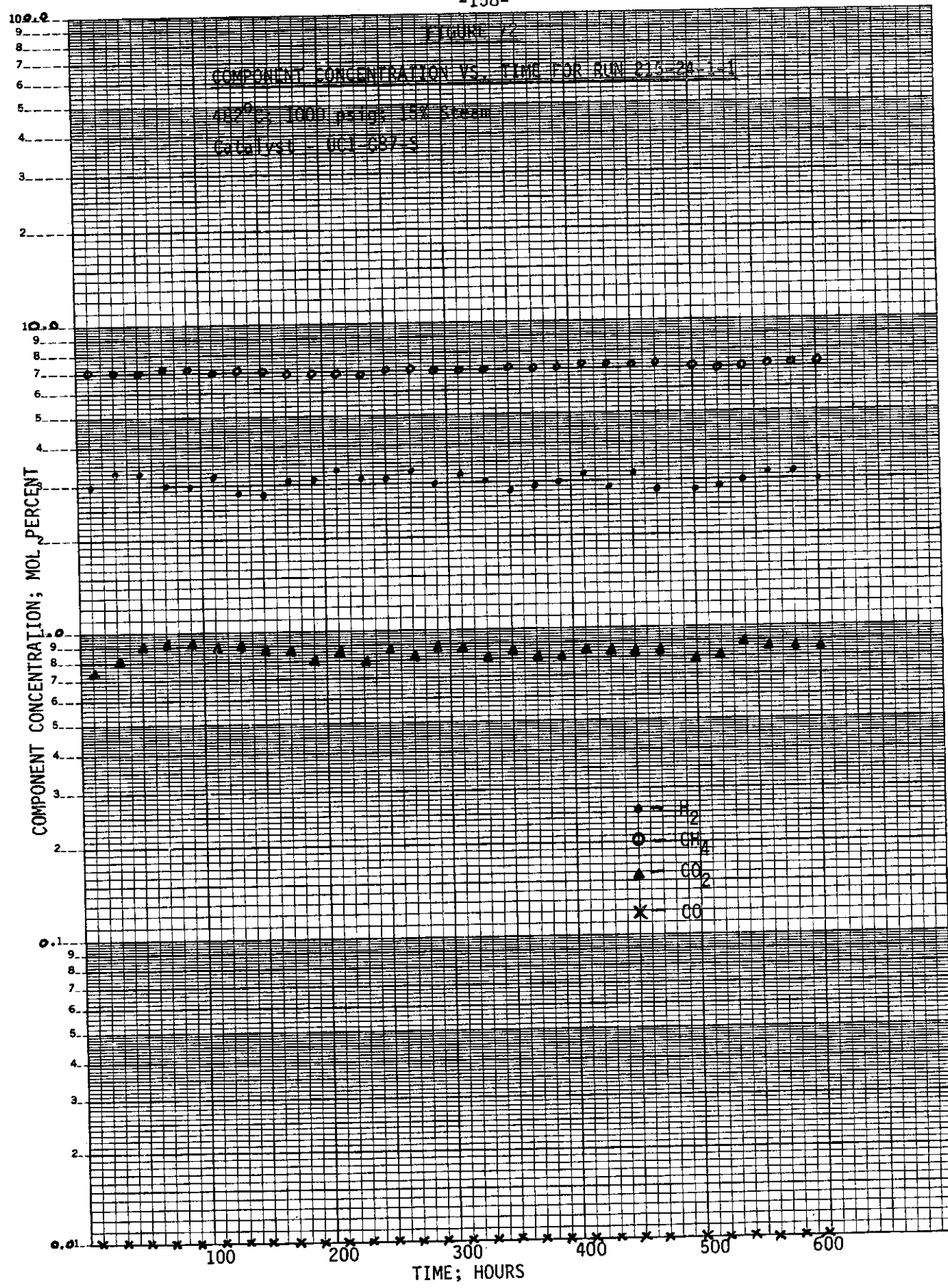
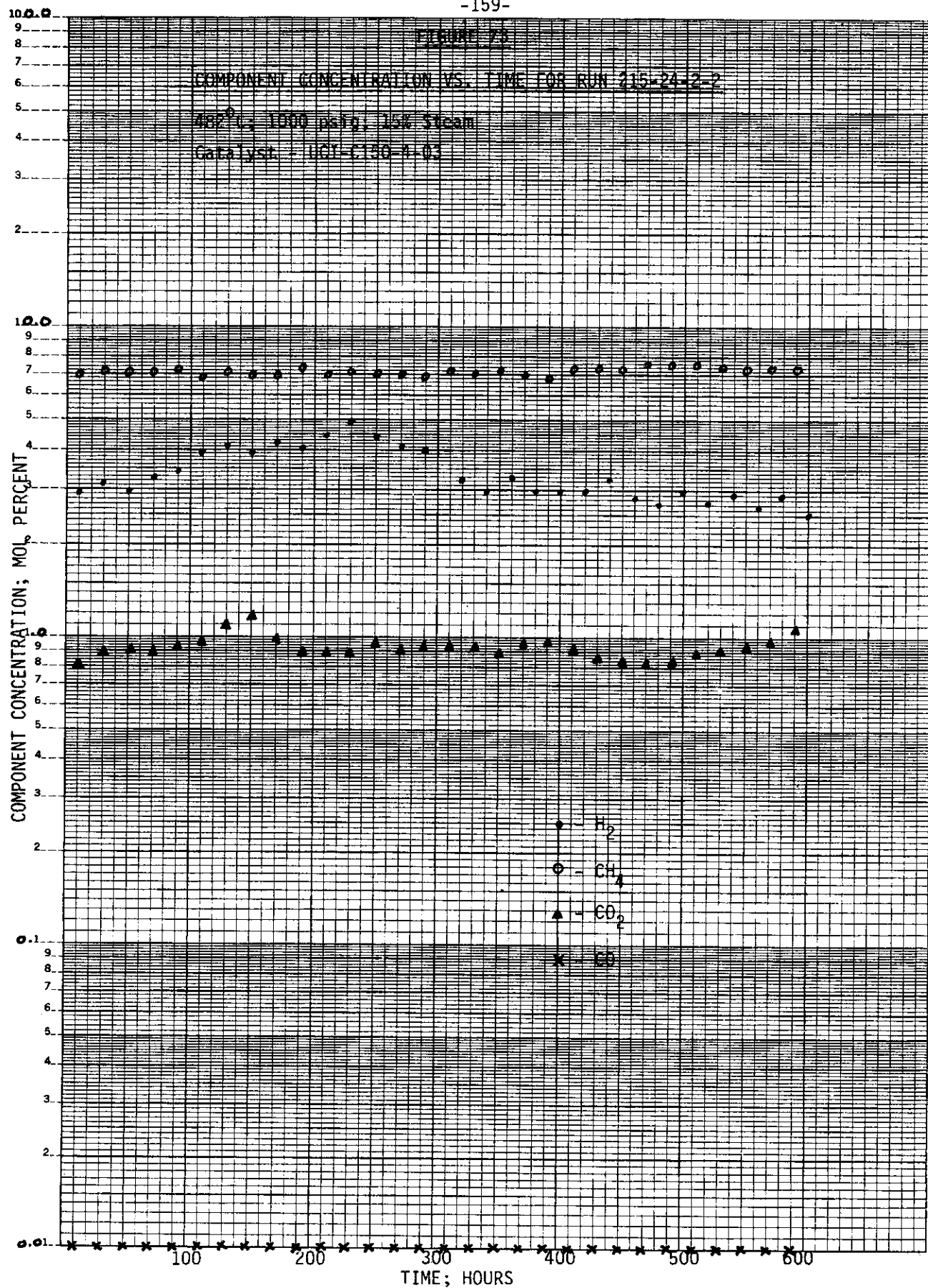
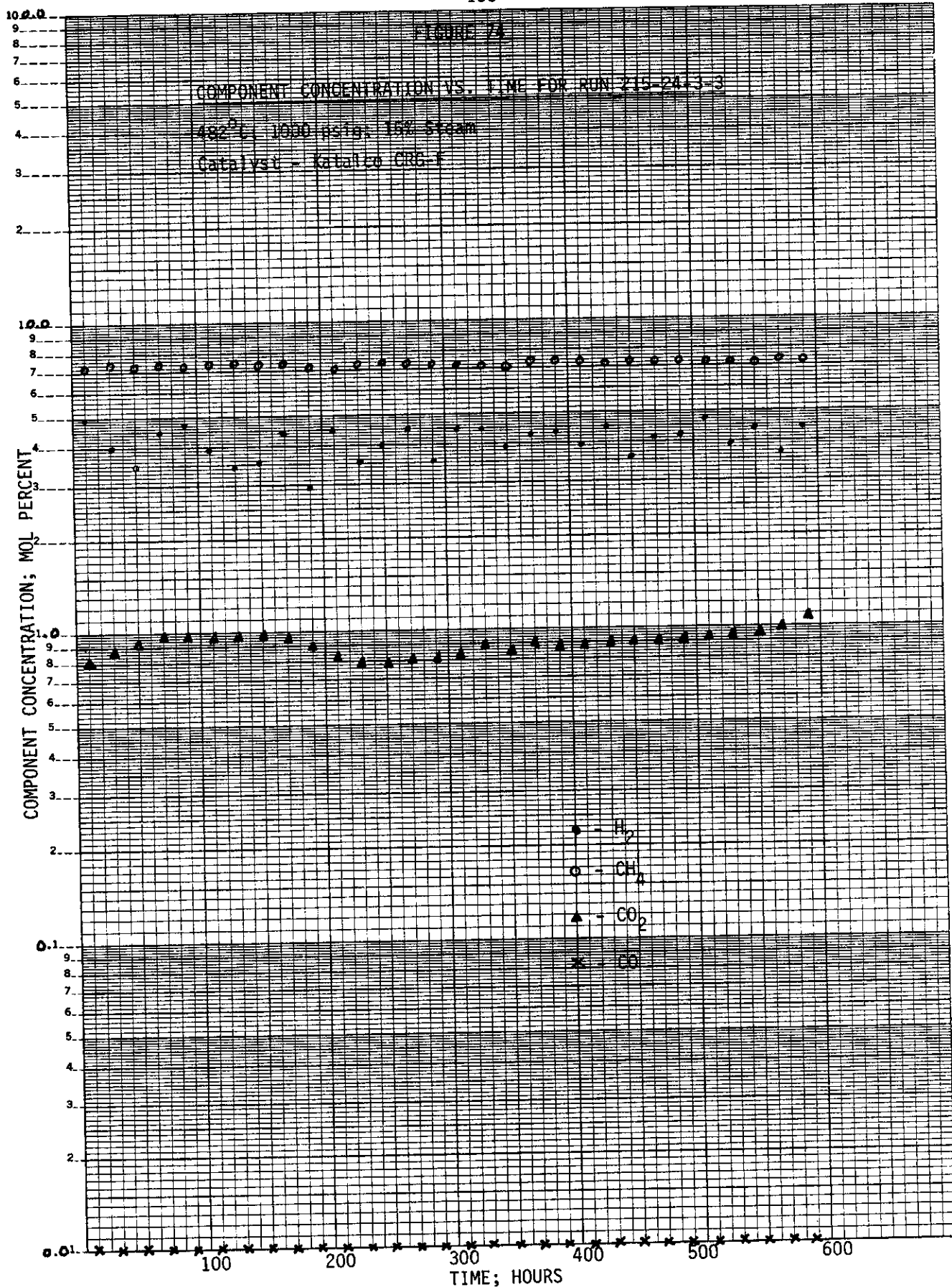


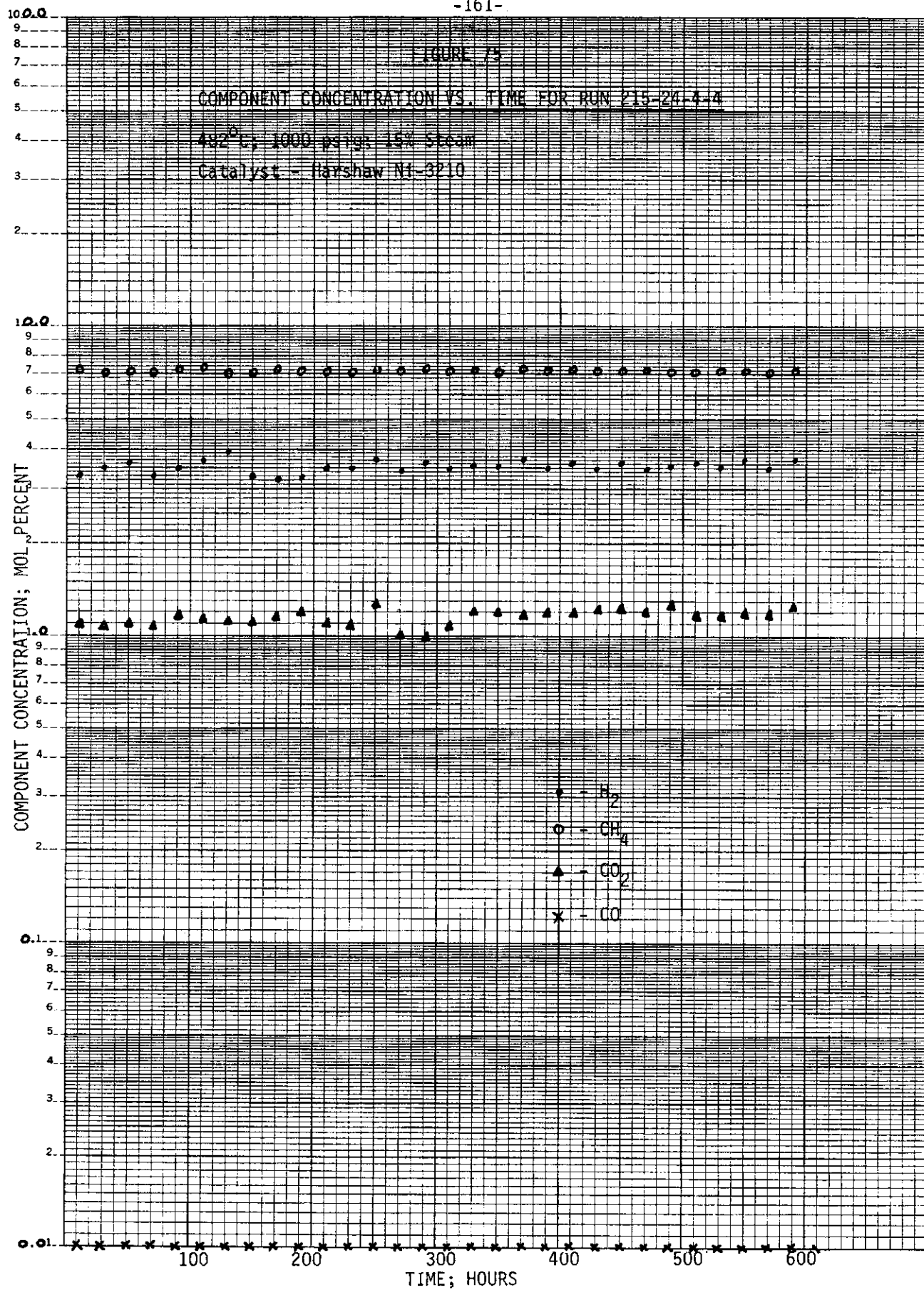
FIGURE 71











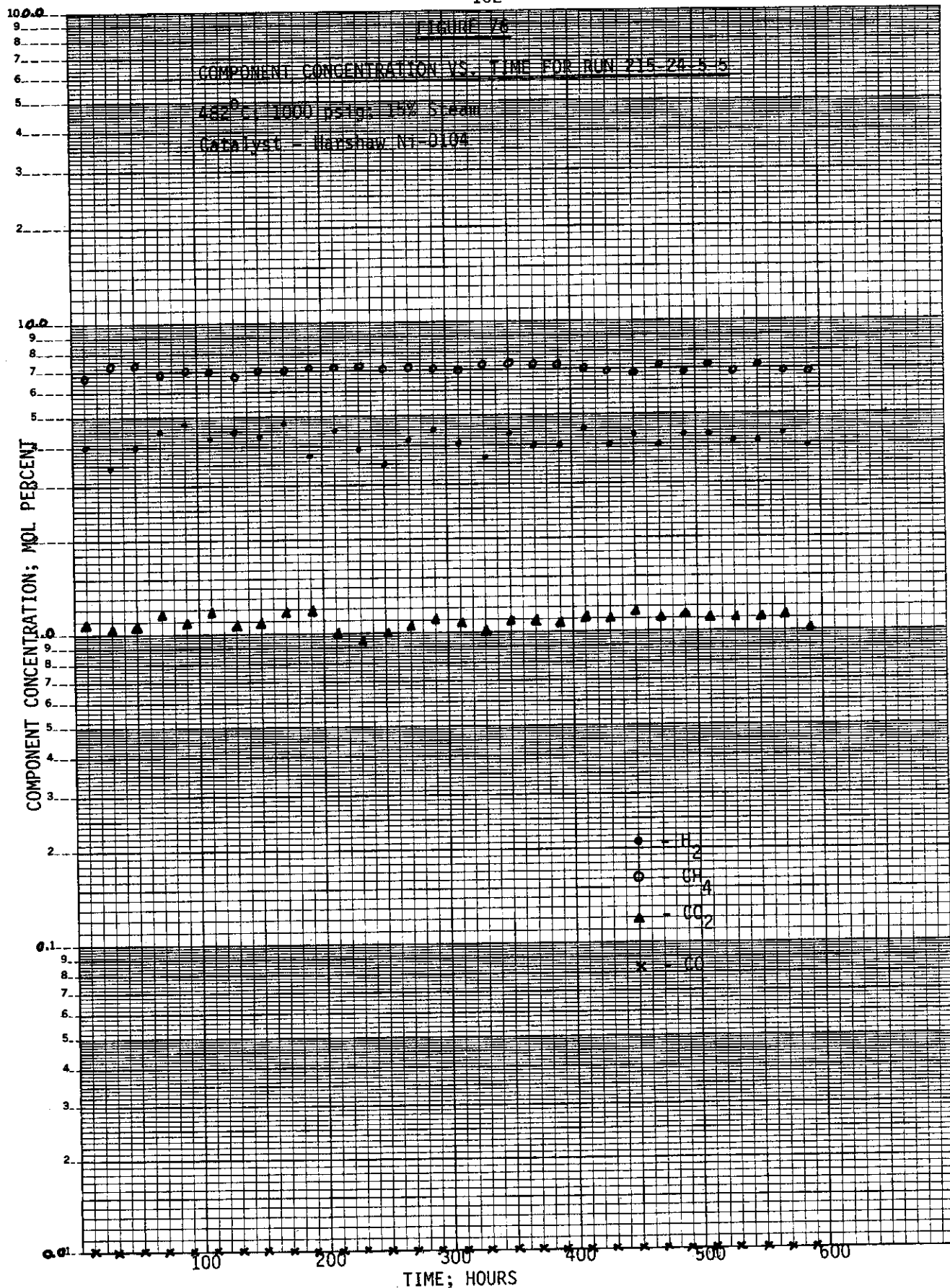


FIGURE 77

TEMPERATURE PROFILE OF RUN 215-18-1-1

482°C, 1000 psig, 0% Steam

Catalyst - UCI-687-S

50 Hours

175 Hours

350 Hours

450 Hours

800 Hours

1000 Hours

1200 Hours

INERT

CATALYST BED

DISTANCE FROM TOP OF INERT BED; INCHES

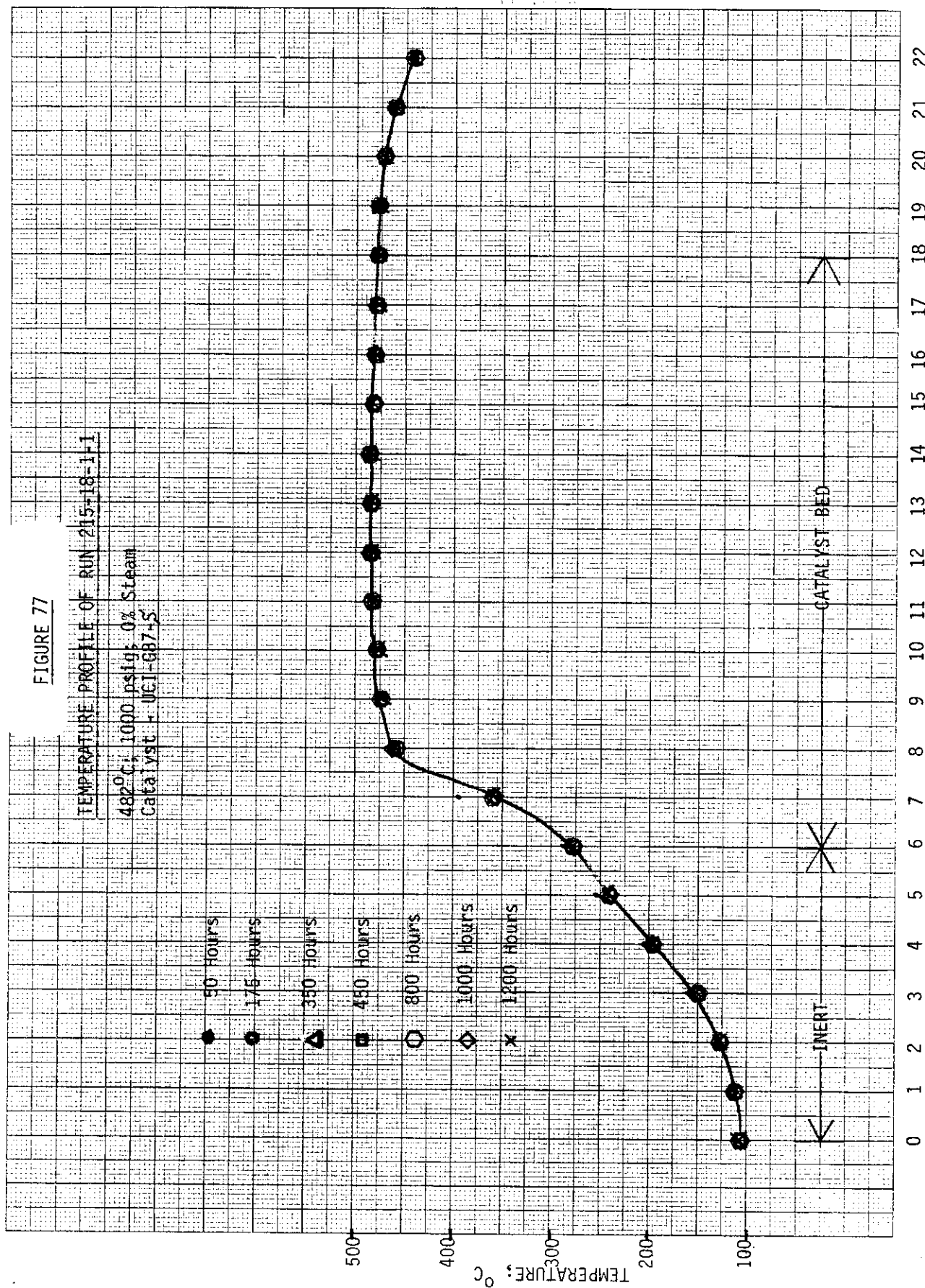


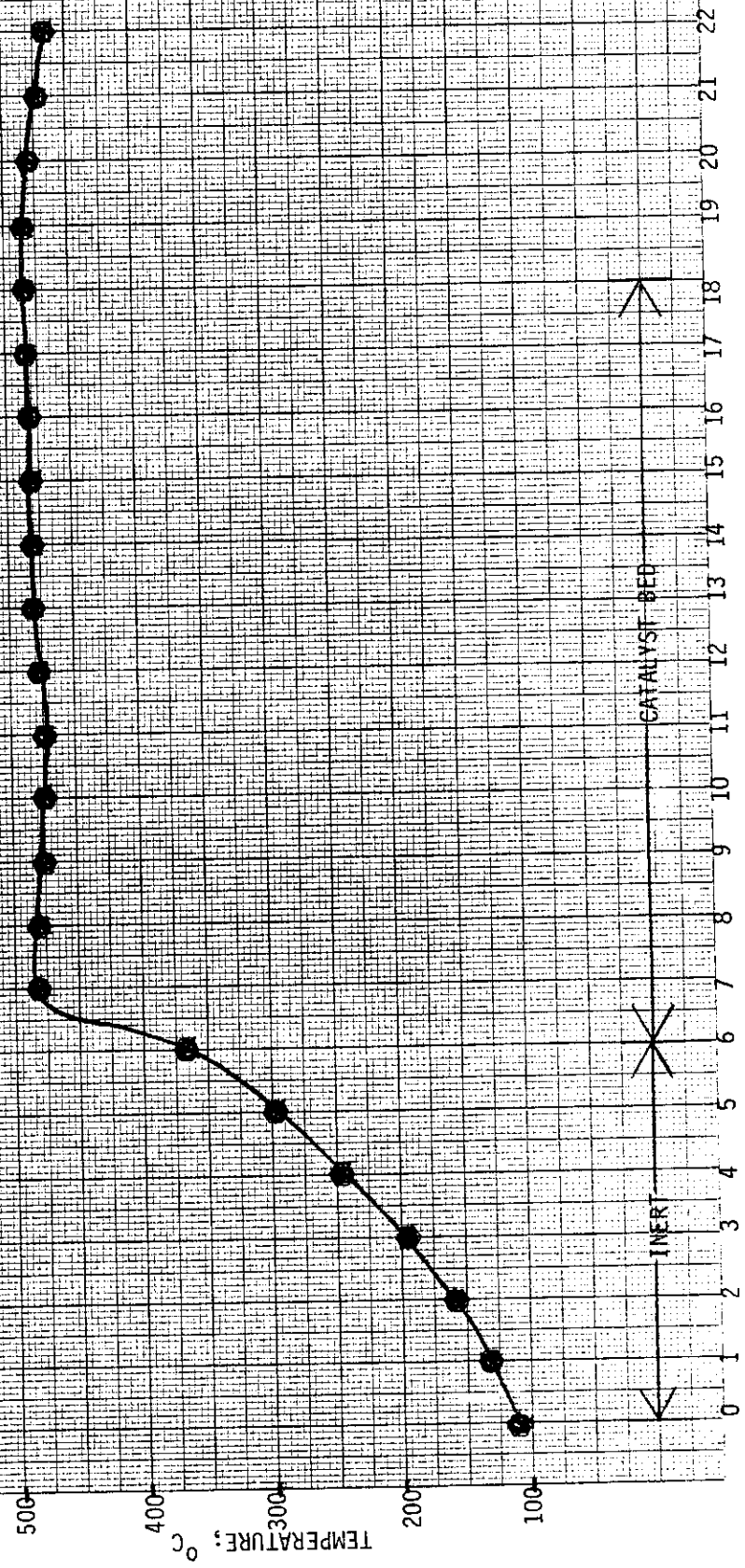
FIGURE 78

TEMPERATURE PROFILE OF RUN 215-18-2-2

482°C; 1000 psig; 0% Steam

Catalyst - VCI-CL50-4-03

- 60 Hours
- 175 Hours
- △ 380 Hours
- 450 Hours
- 800 Hours
- ◇ 1000 Hours
- × 1200 Hours



DISTANCE FROM TOP OF INERT BED; INCHES

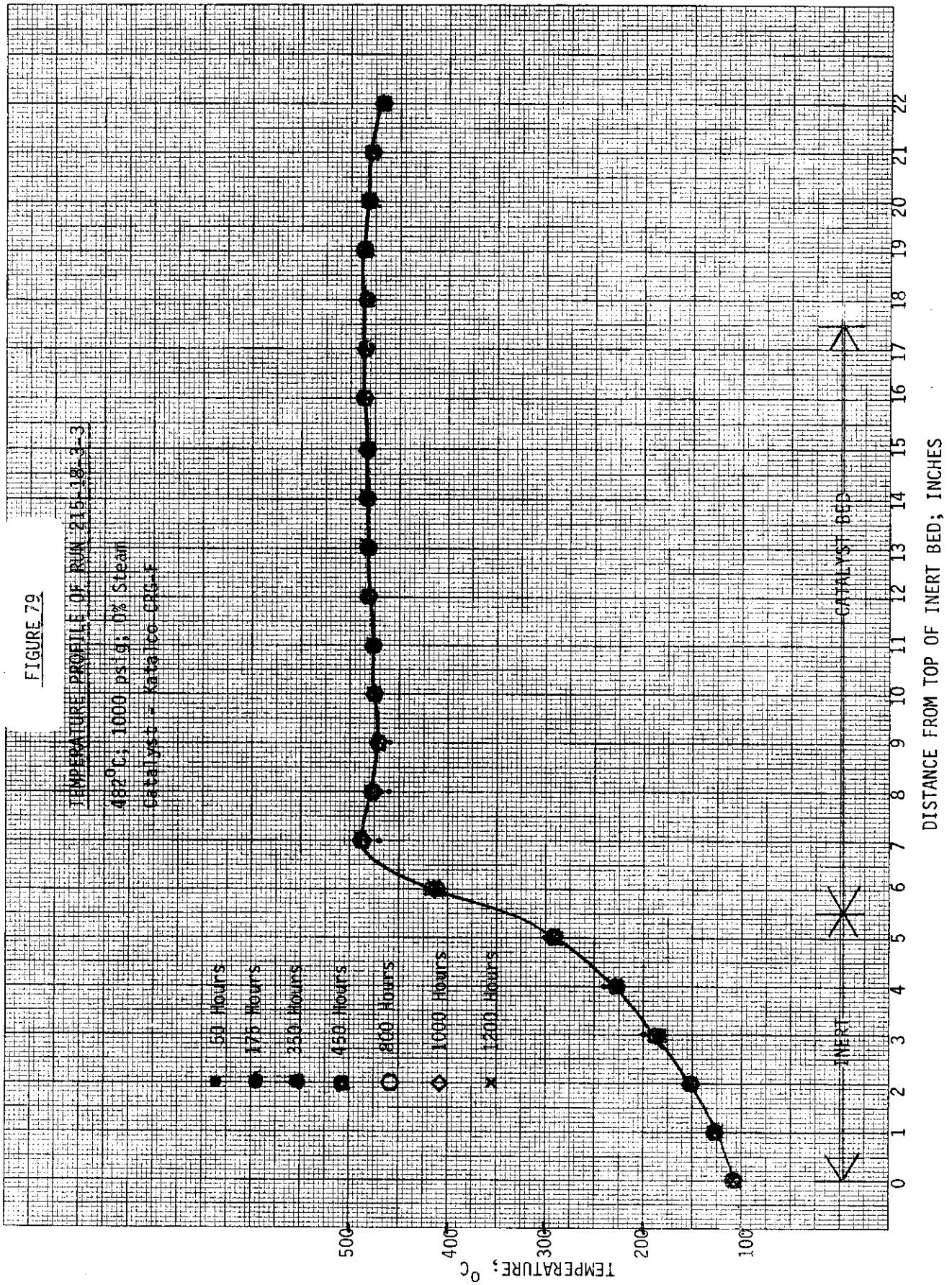


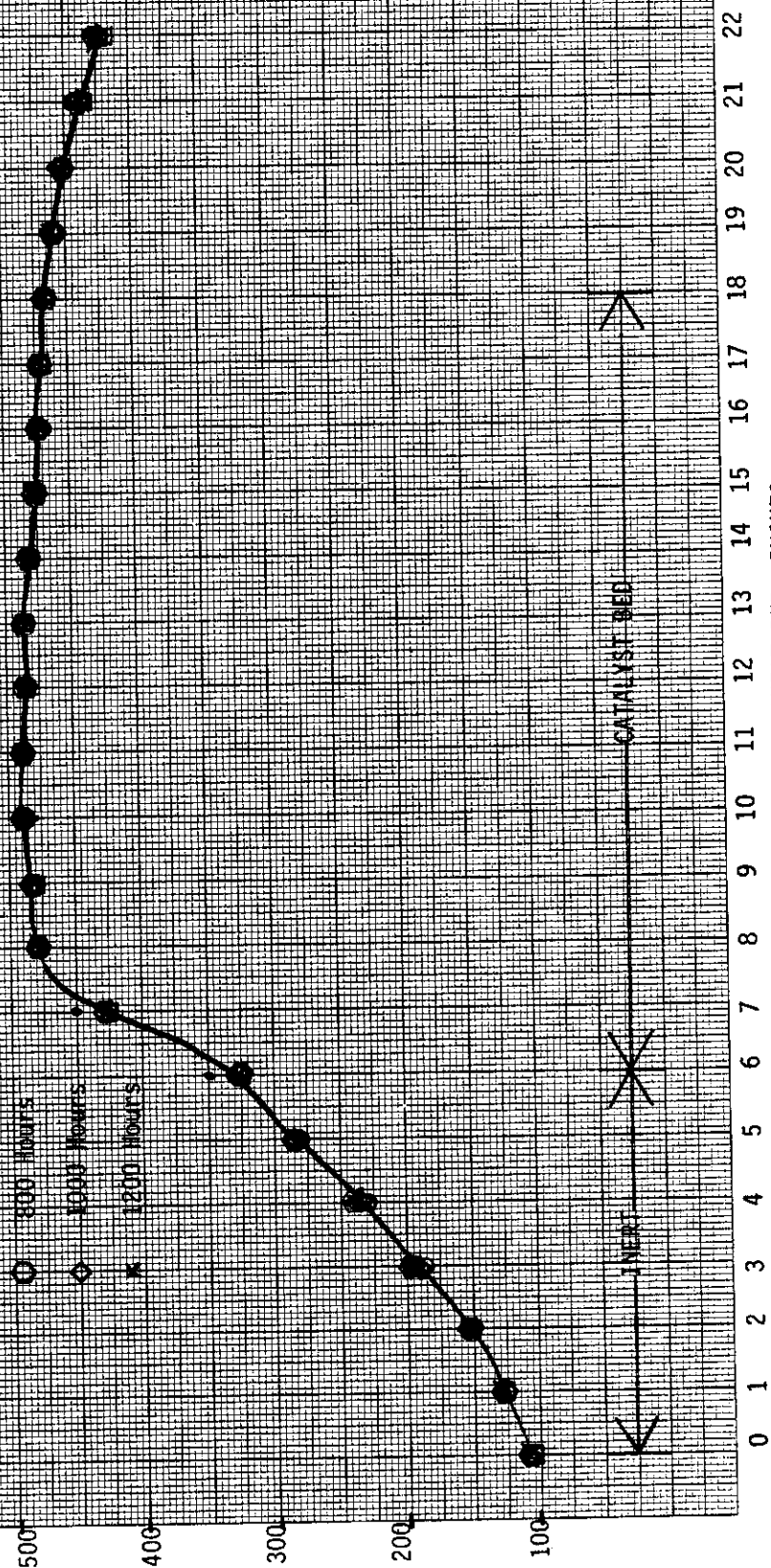
FIGURE 80

TEMPERATURE PROFILE OF RUN 215-18-1-4

782°C, 1000 psig, 0% Steam

Catalyst - Marathon W-3210

- 50 Hours
- 175 Hours
- ▲ 350 Hours
- 450 Hours
- 600 Hours
- ◇ 1000 Hours
- x 1200 Hours



DISTANCE FROM TOP OF INERT BED, INCHES