

FIGURE 41

Temperature Profile of Run 215-11-5-5

4820cy 1000 psig, 0% Steam

Catalyst - Harshaw Ni-0104

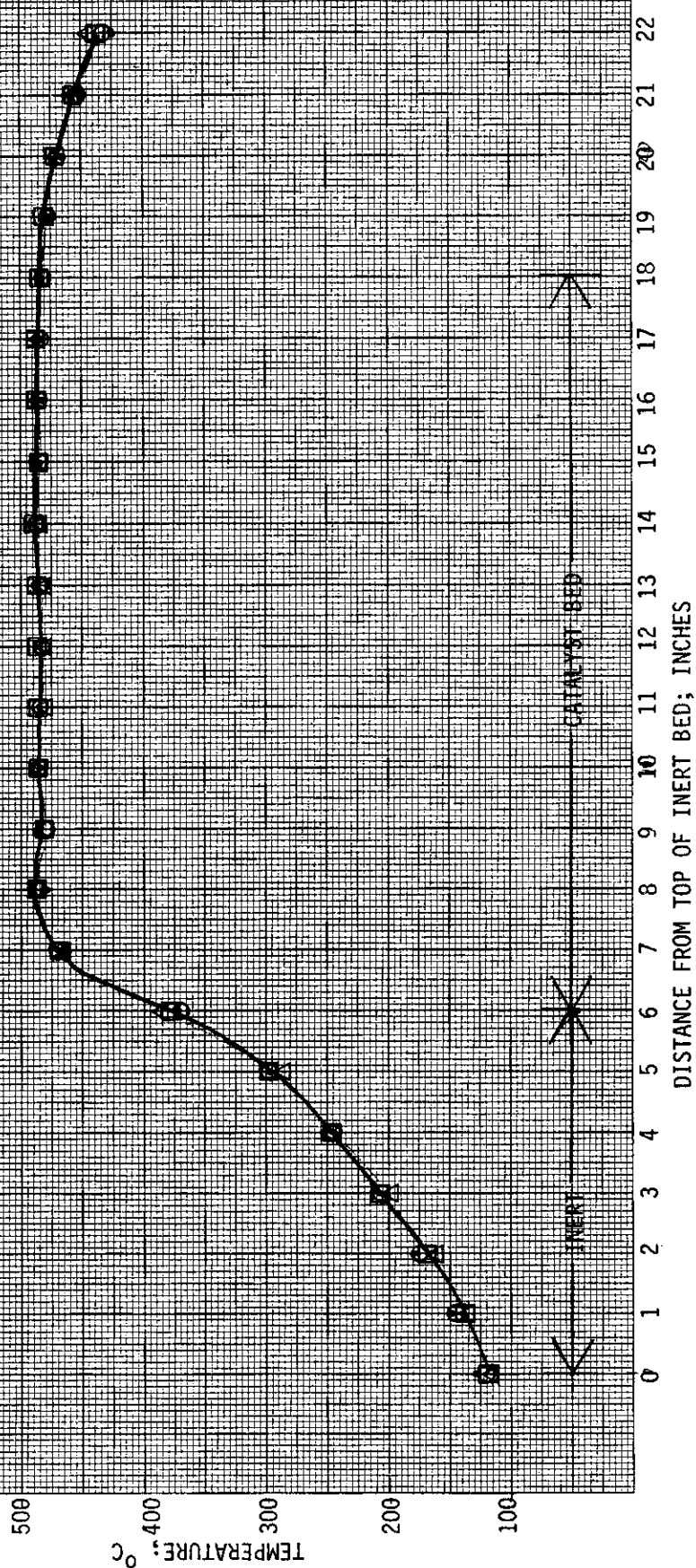
Hours on Stream

● - 19 hours

○ - 66 hours

△ - 162 hours

□ - 307 hours



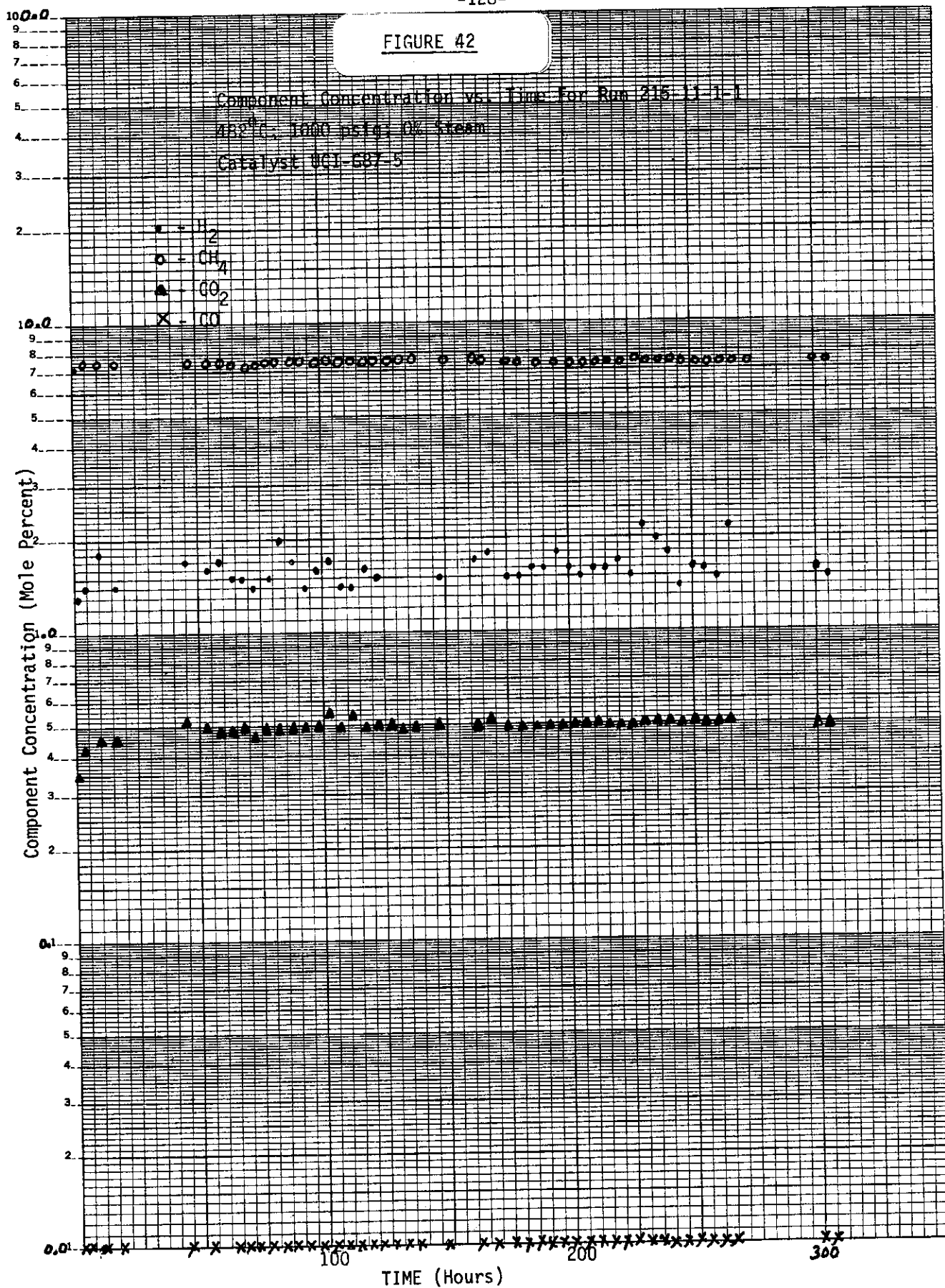


FIGURE 43

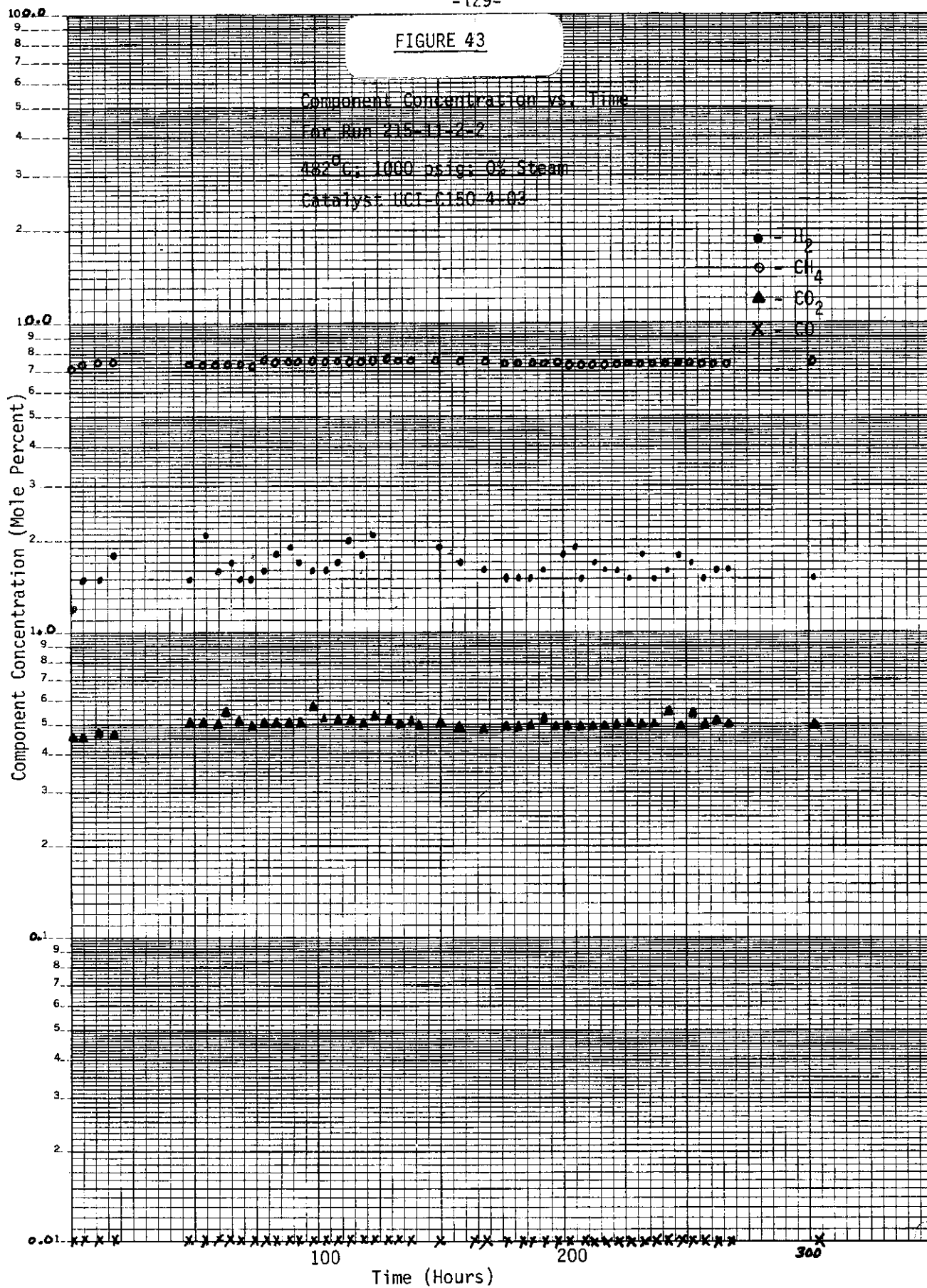


FIGURE 44

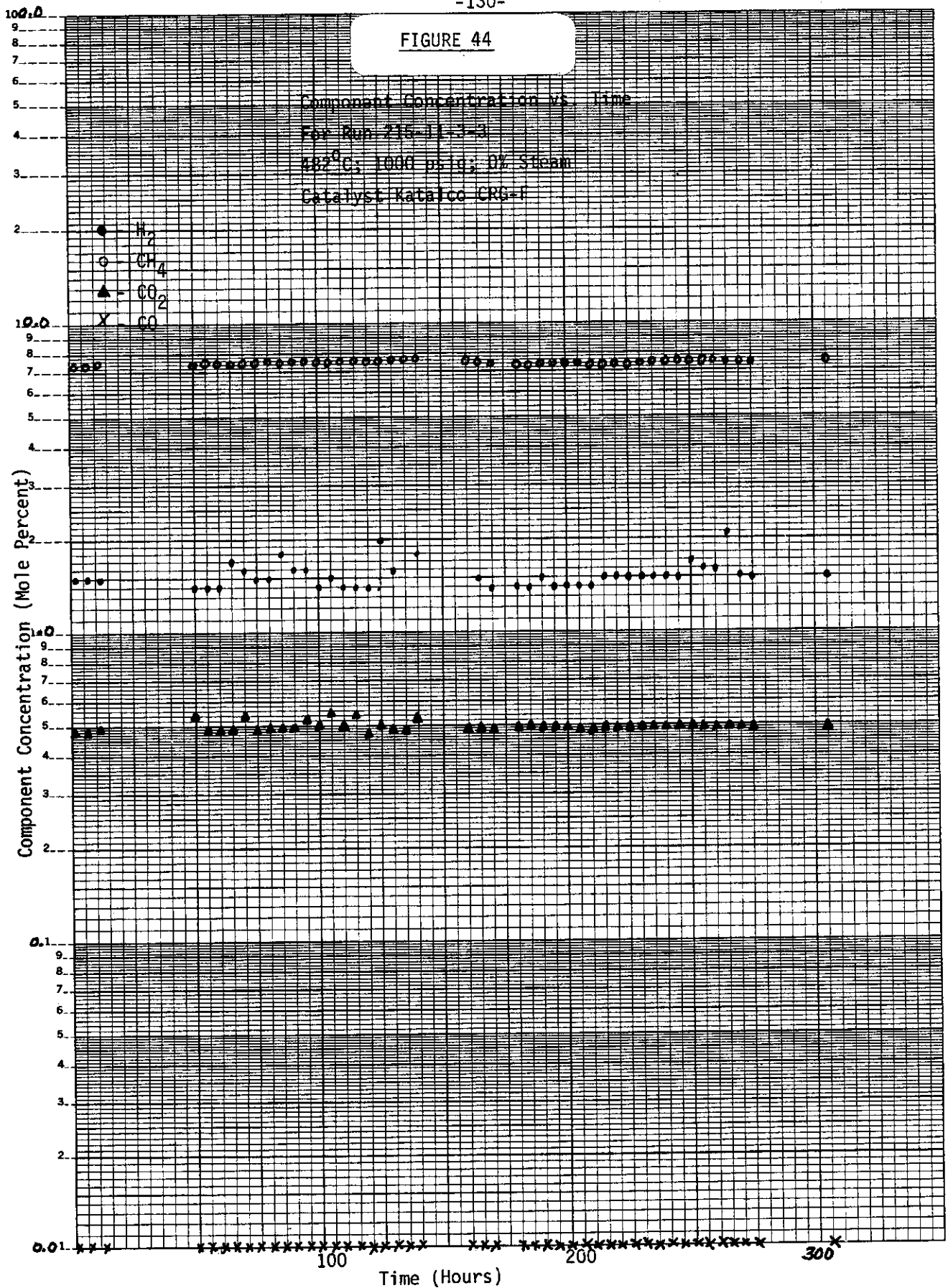


FIGURE 45

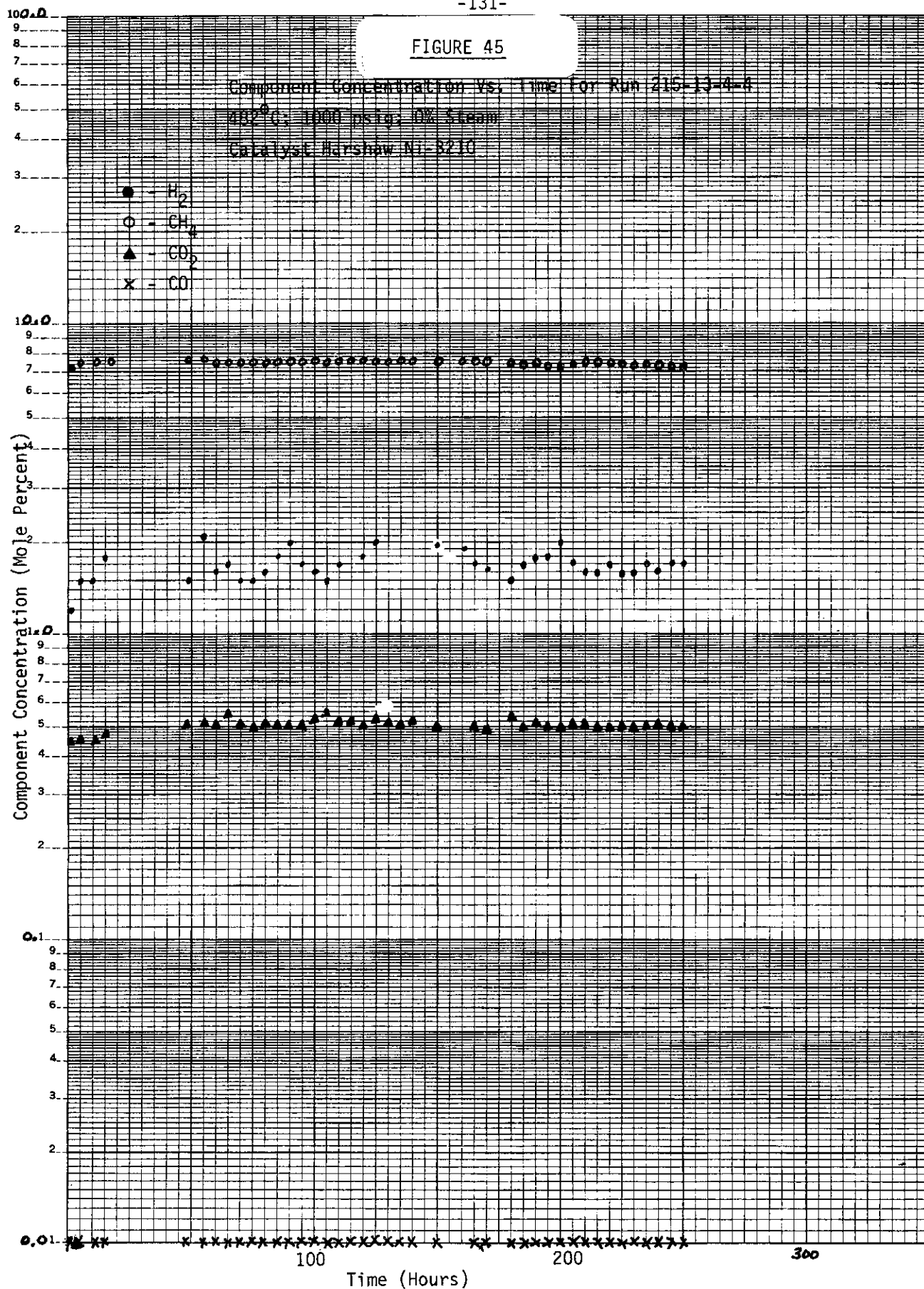


FIGURE 46

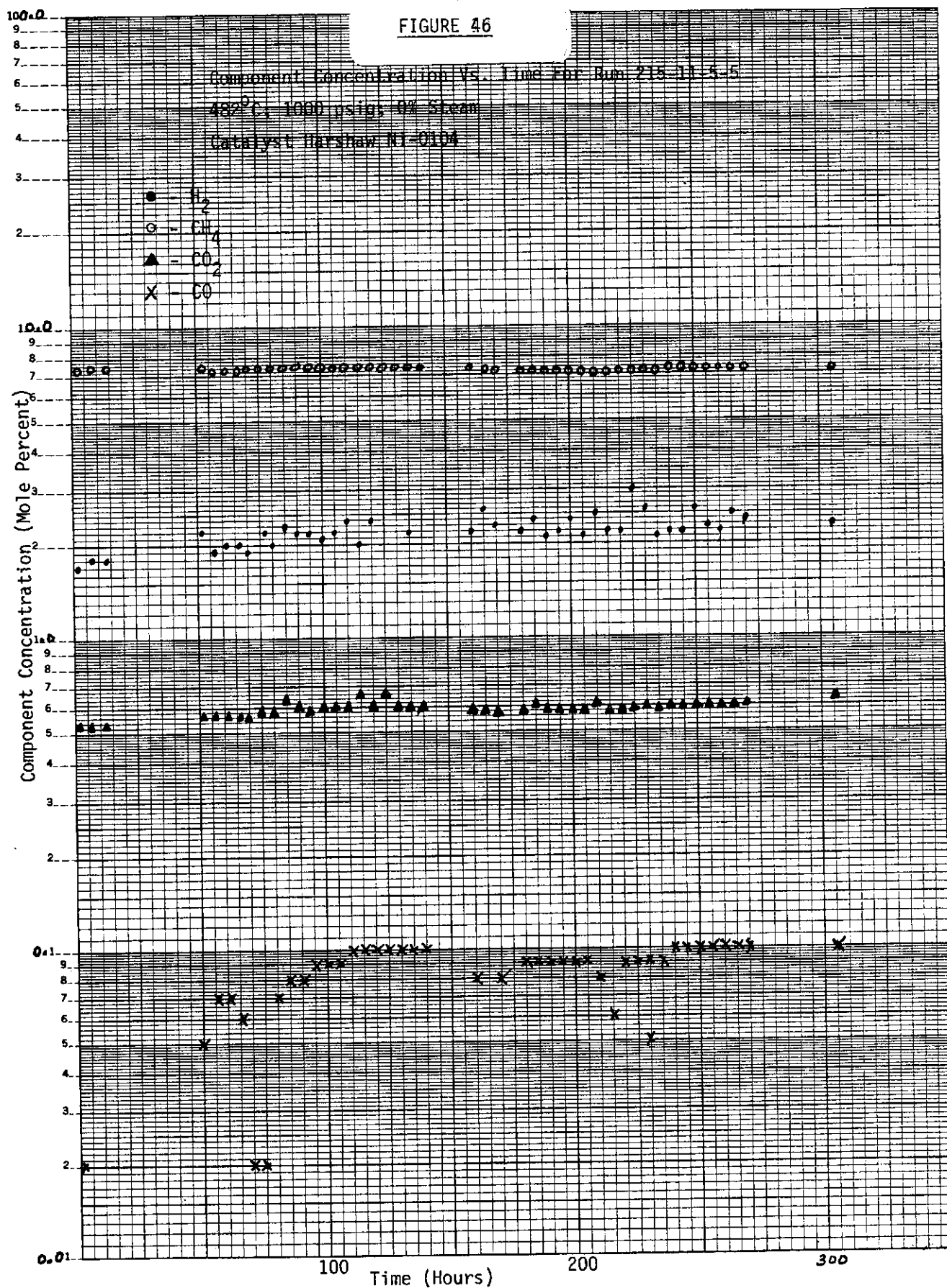


FIGURE 47

TEMPERATURE PROFILE FOR RUN 215-17-1-1

482°C, 1000 psig, 15% Steam

Catalyst UCI-687 S

- - 16 Hours
- - 150 Hours
- △ - 250 Hours
- - 300 Hours

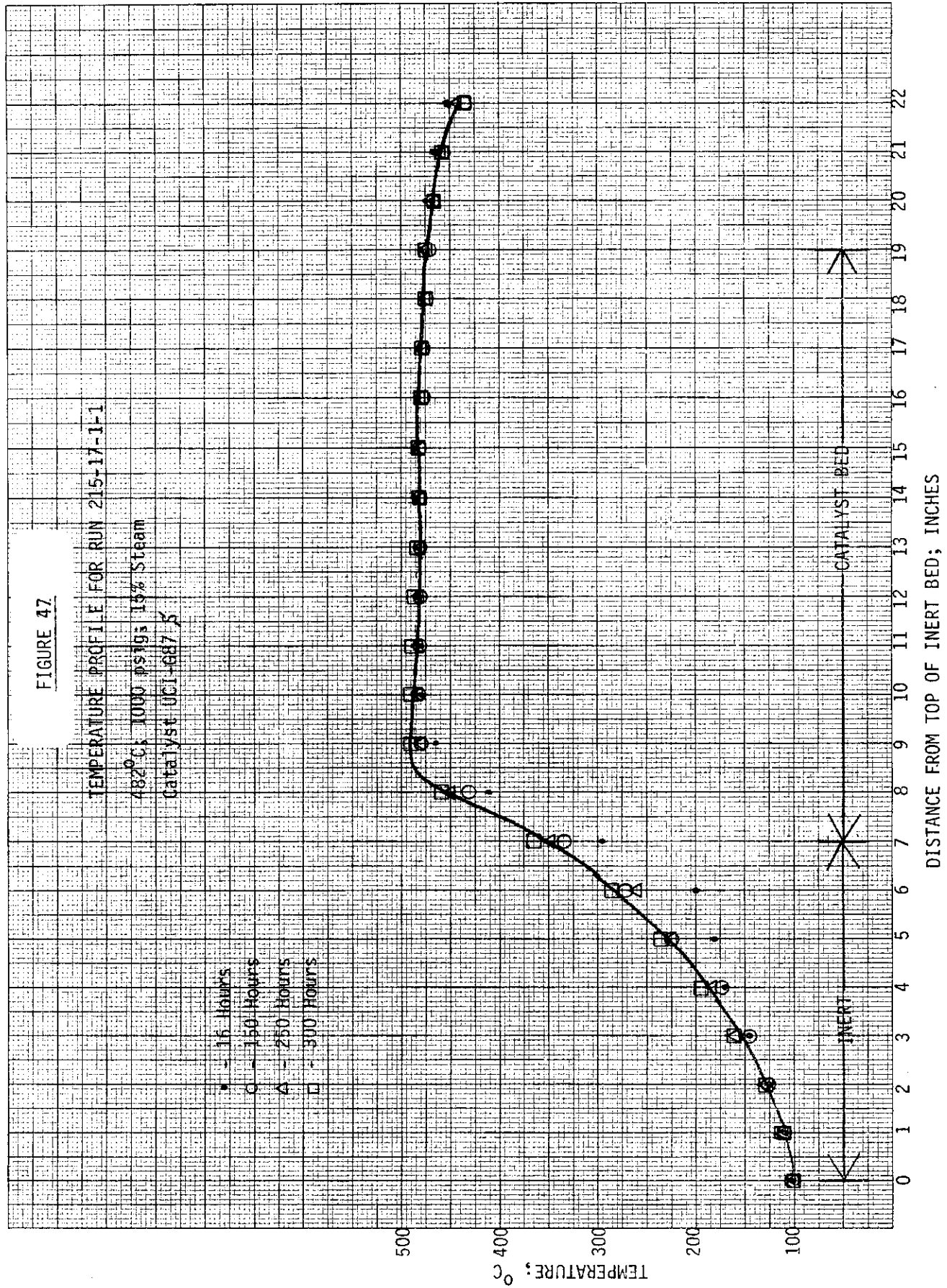


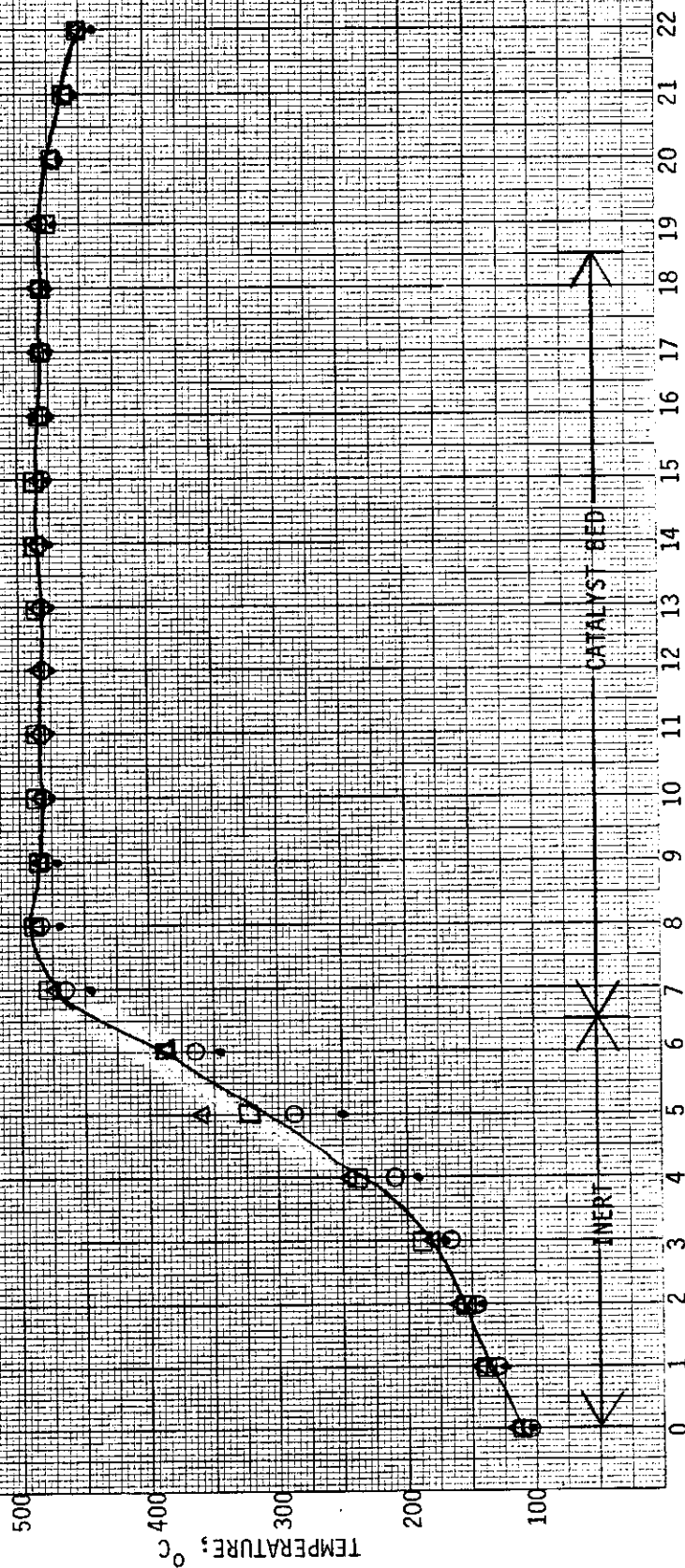
FIGURE 48

TEMPERATURE PROFILE FOR RUN 215-17-2-2

482°C; 1000 psig; 15% Steam

Catalyst UCI-C-150-A-03

- - 16 Hours
- - 150 Hours
- △ - 250 Hours
- ◻ - 300 Hours



DISTANCE FROM TOP OF INERT BED; INCHES

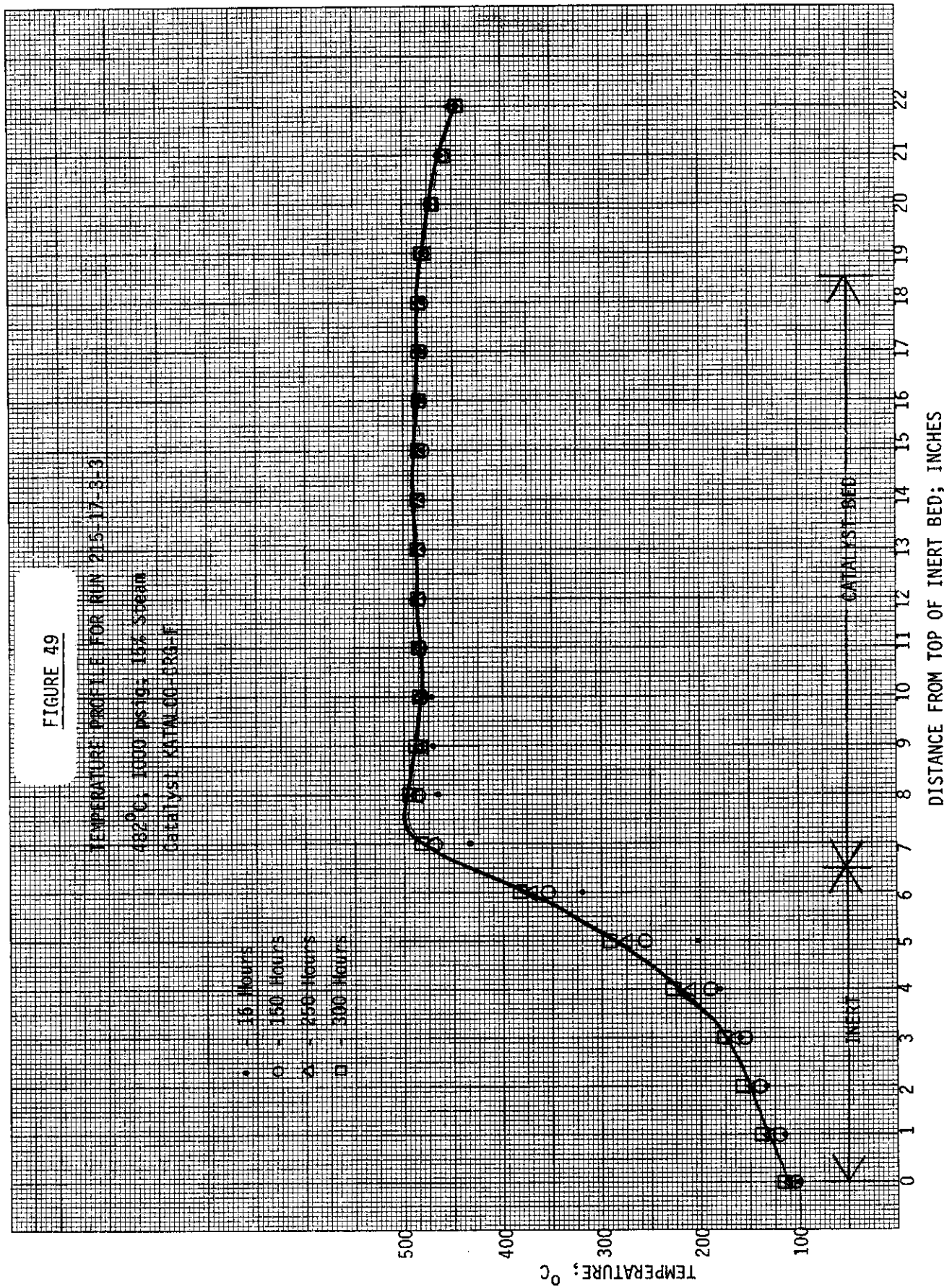


FIGURE 50

TEMPERATURE PROFILE FOR RUN 215-17-4-4

482°C, 1000 psig, 15% Steam

Catalyst Hansen NF-3210

- - 16 Hours
- - 150 Hours
- △ - 250 Hours
- - 300 Hours

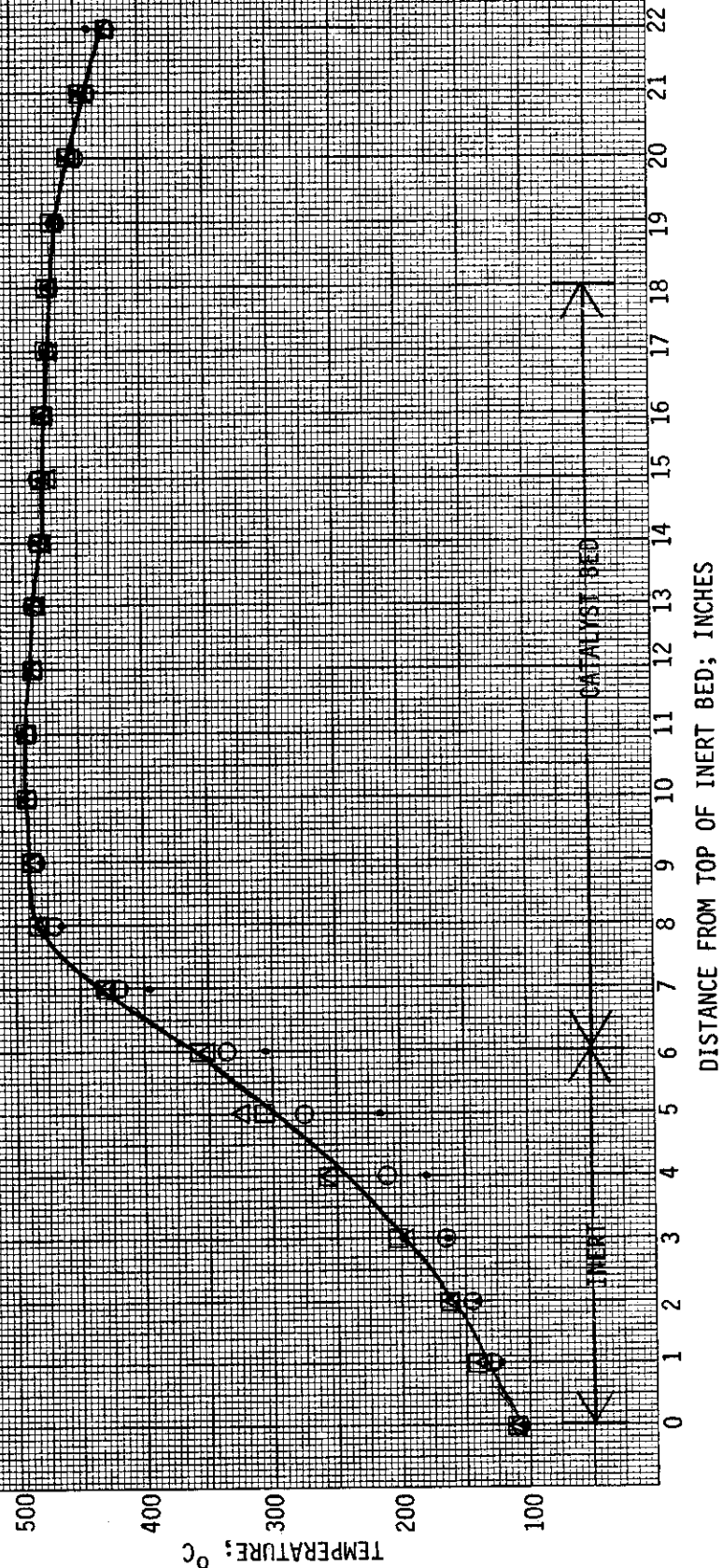


FIGURE 51

TEMPERATURE PROFILE FOR RUN 215-17-5-5

482°C, 1000 psig, 15% Steam

Catalyst Marshaw M-0106

- - 16 Hours
- - 150 Hours
- △ - 250 Hours
- ◻ - 300 Hours

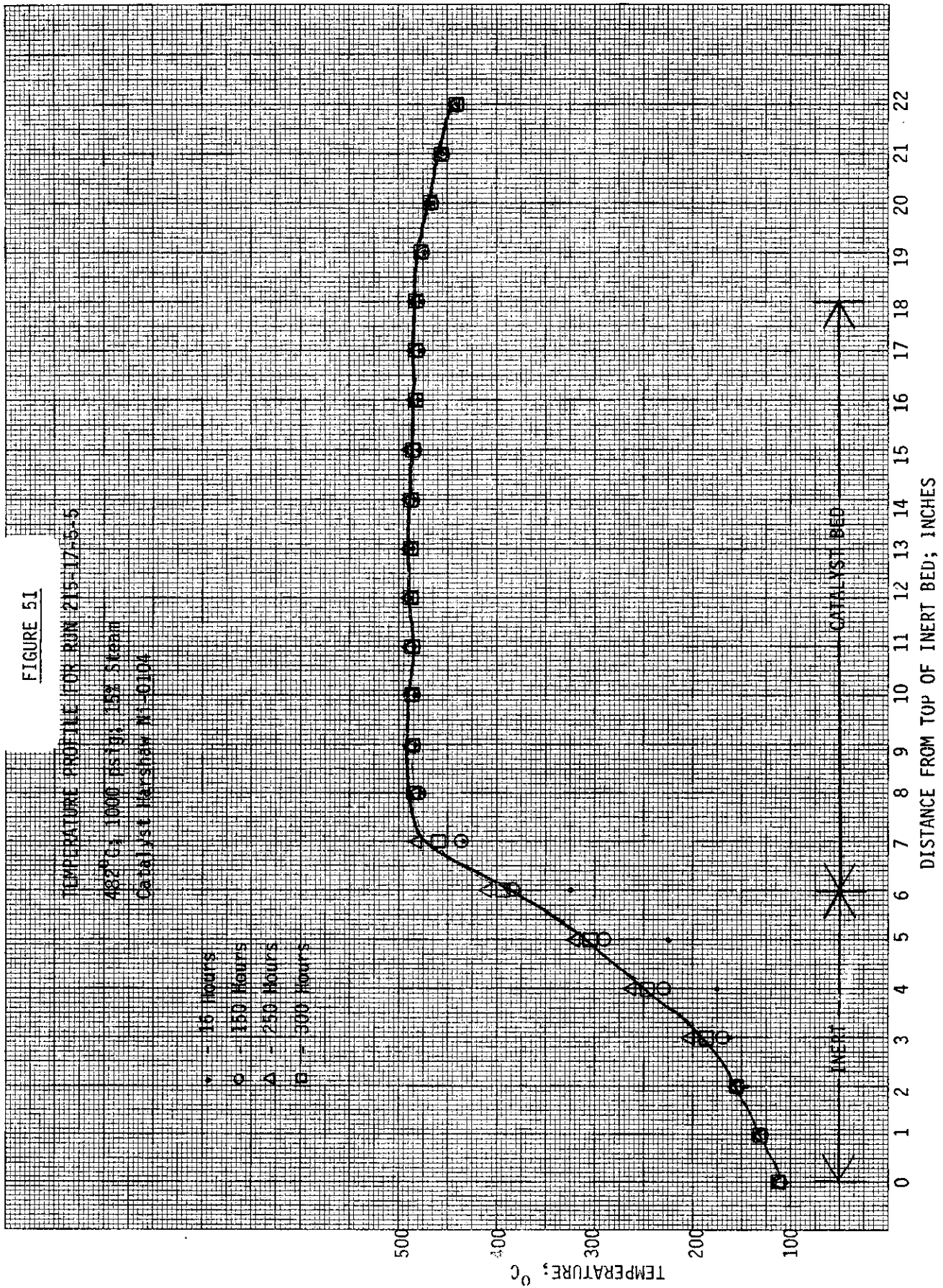


FIGURE 52

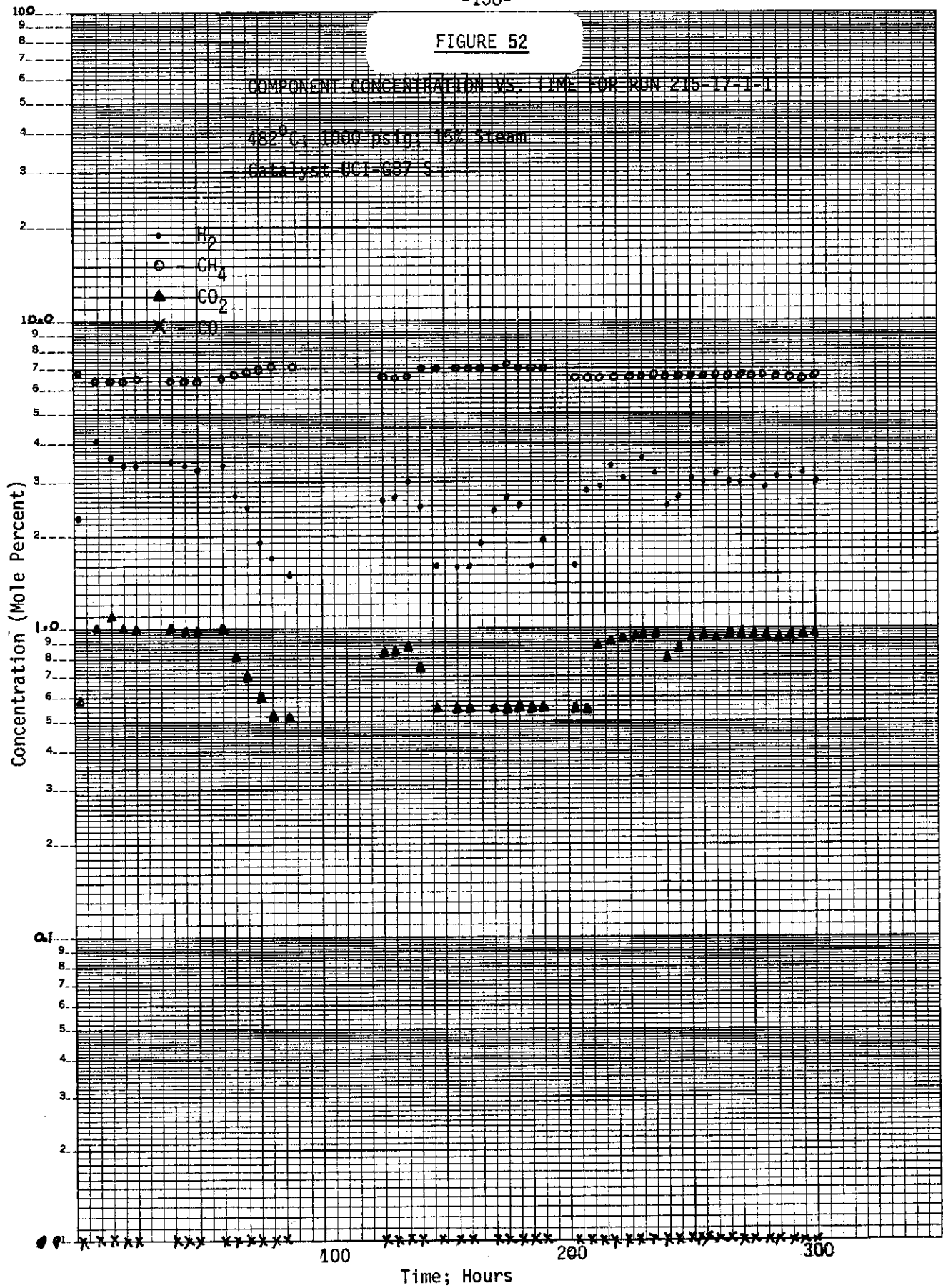


FIGURE 53

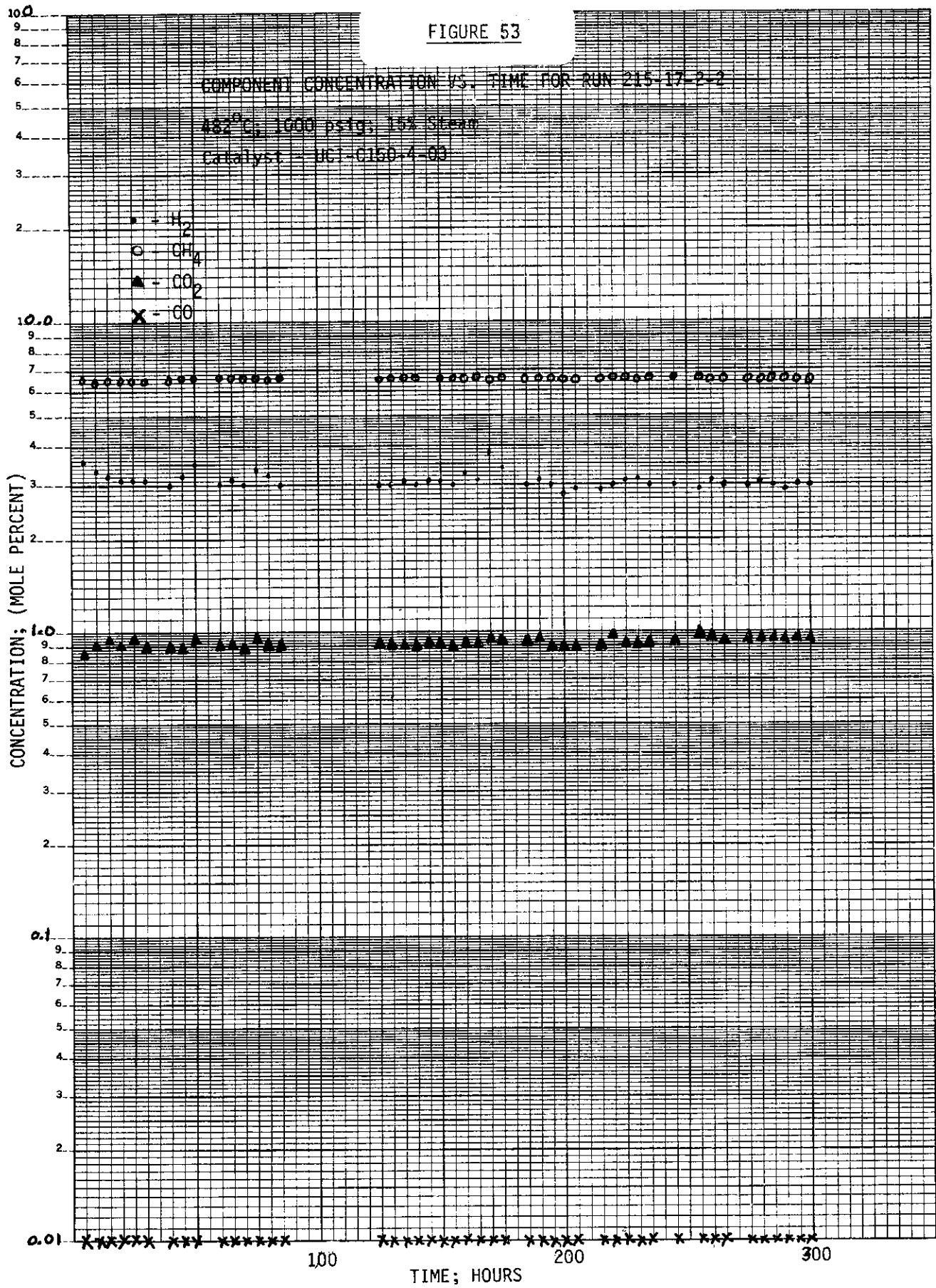


FIGURE 54

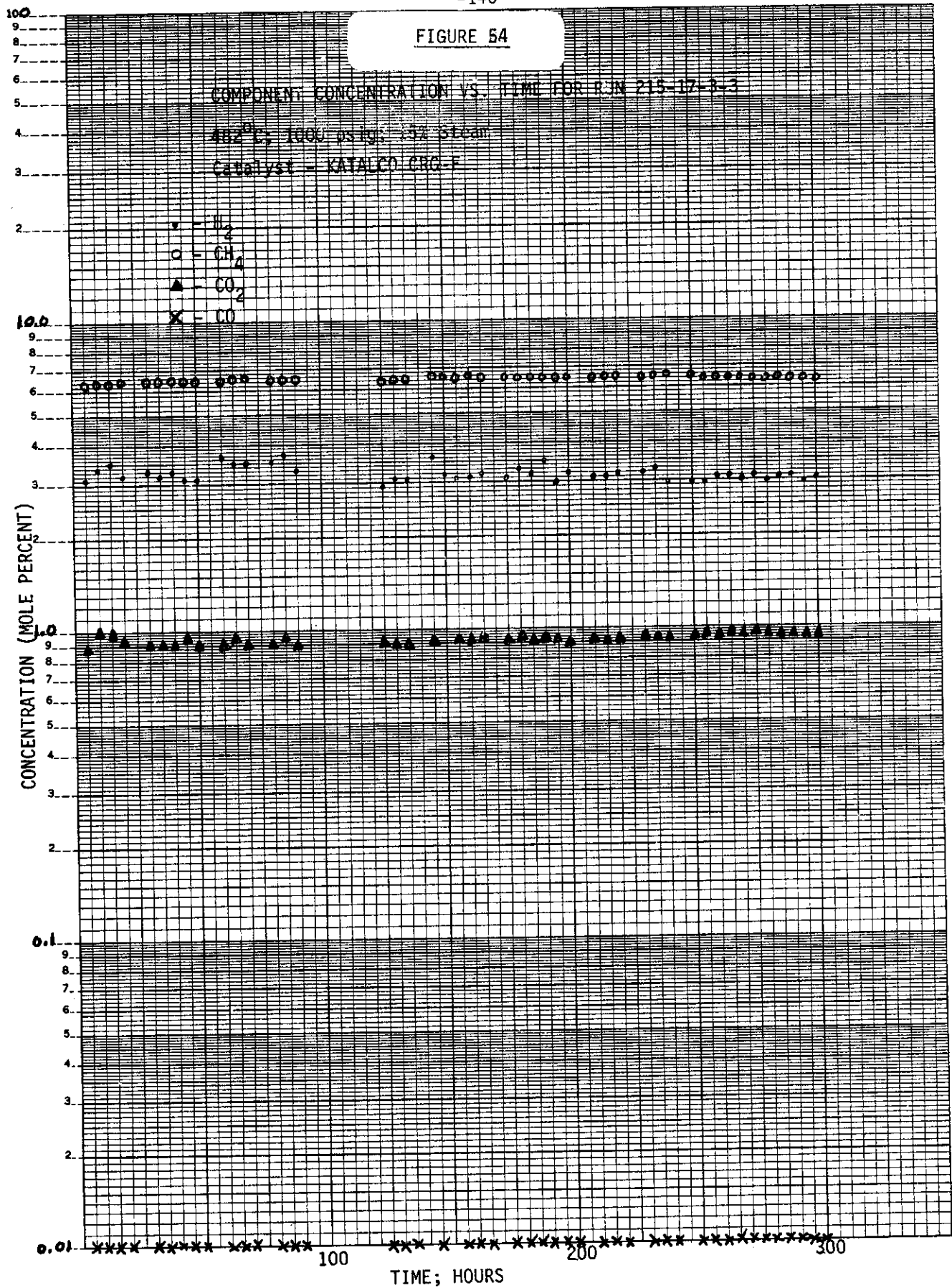


FIGURE 85

COMPONENT CONCENTRATION VS. TIME FOR RUN 215-17-4-4
 482°C, 1000 psig, 15% Steam
 Catalyst - Harshaw N1-3210

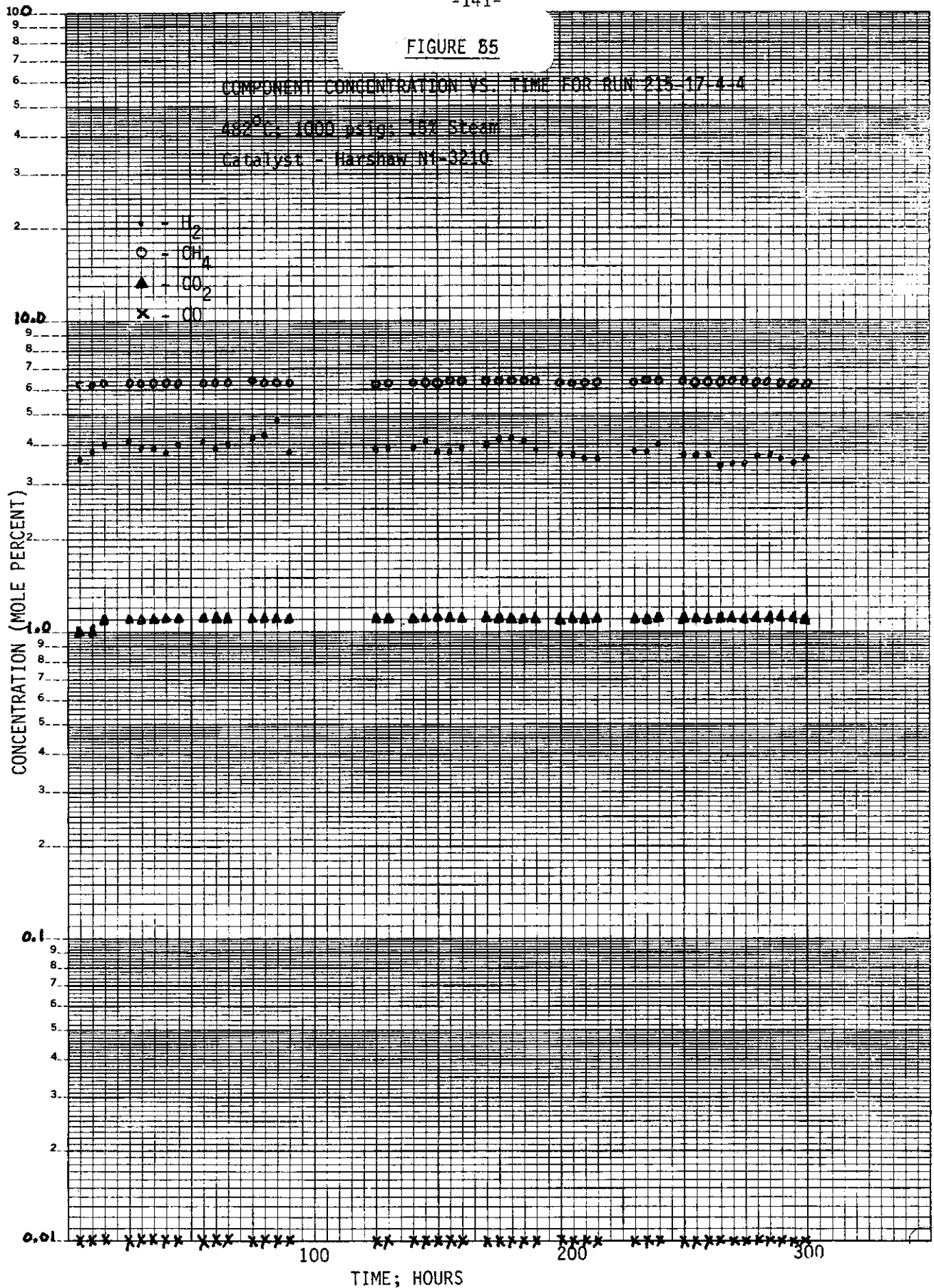


FIGURE 56

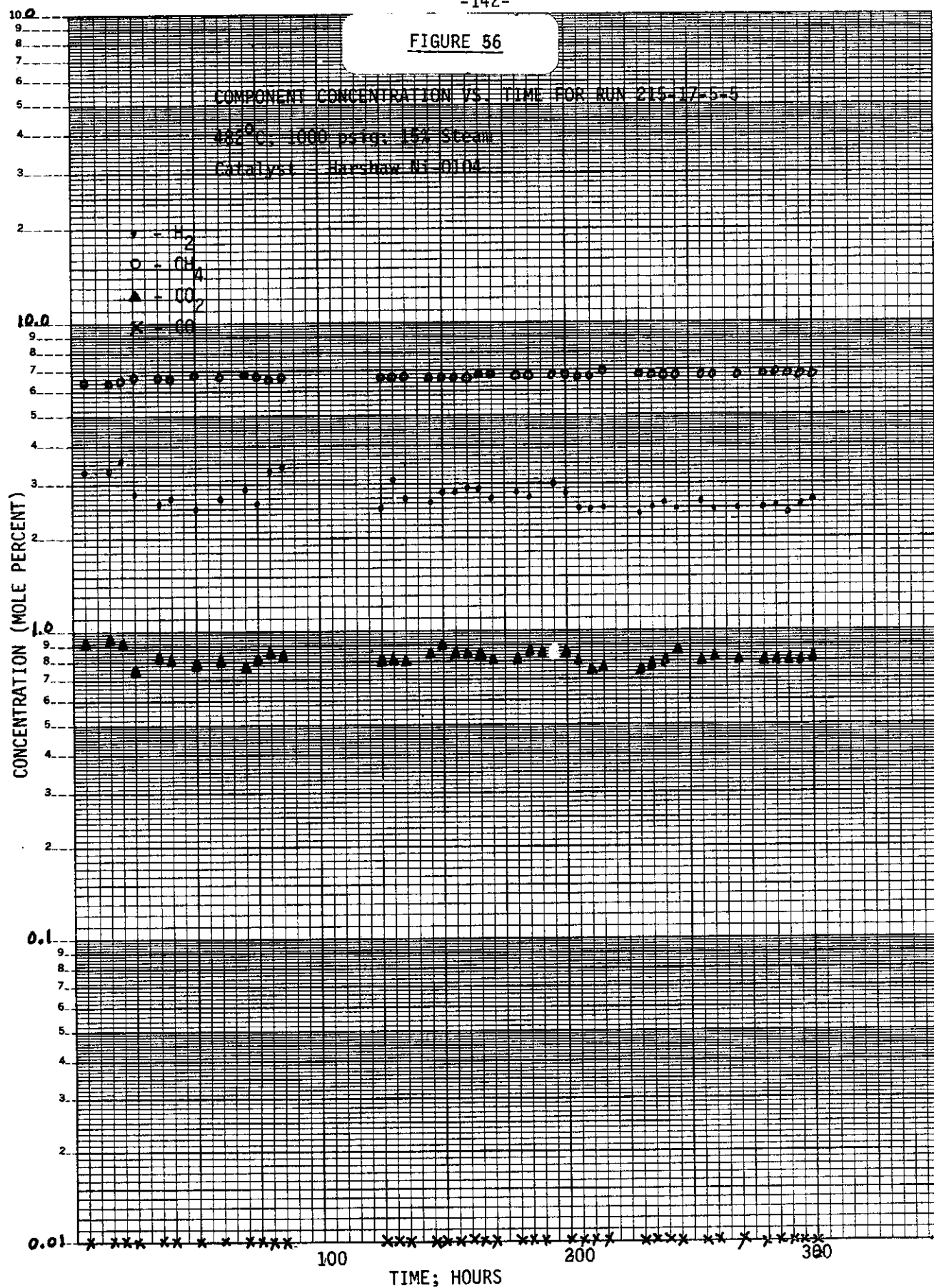


FIGURE 57

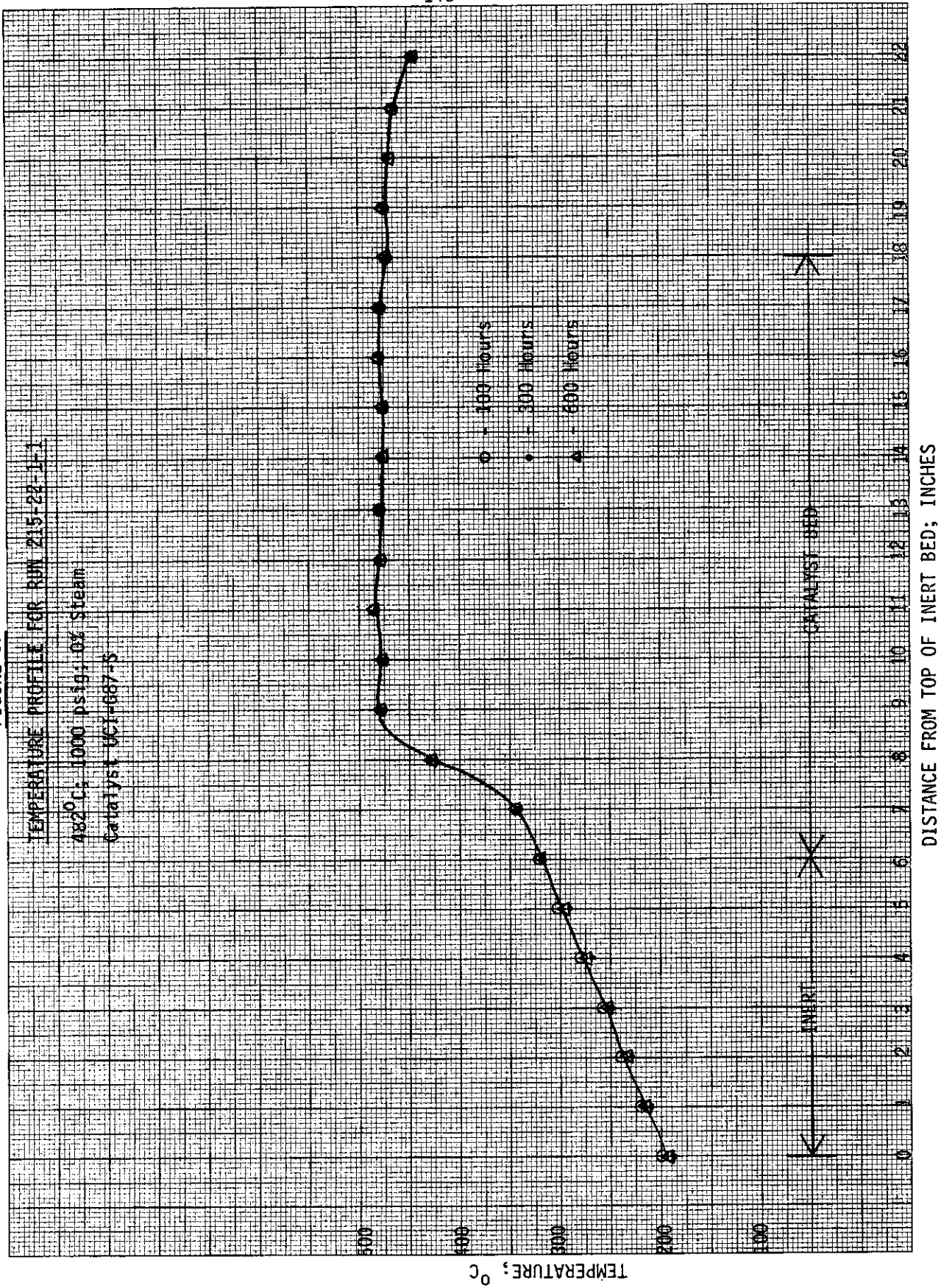


FIGURE 58

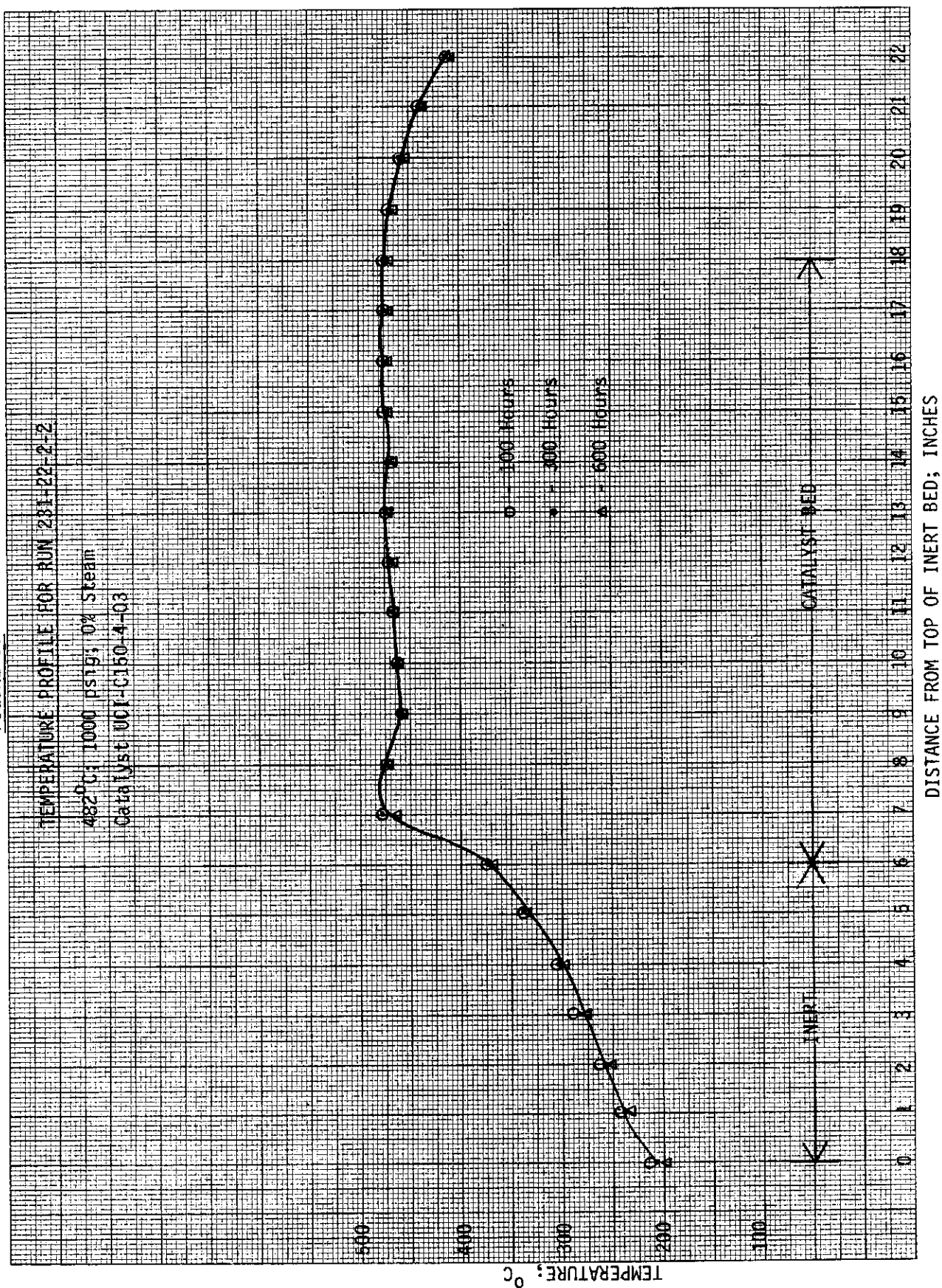


FIGURE 59

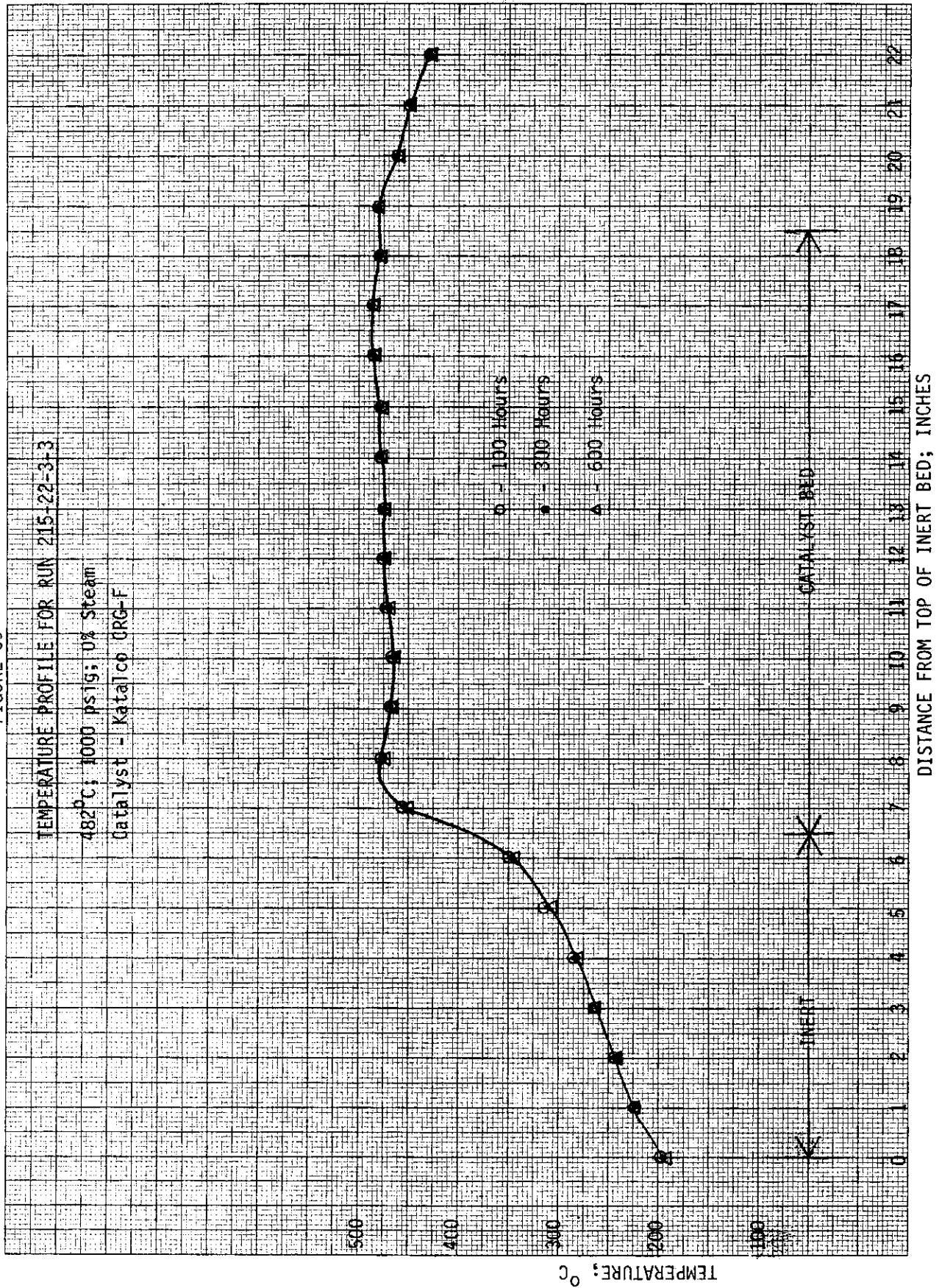


FIGURE 60

