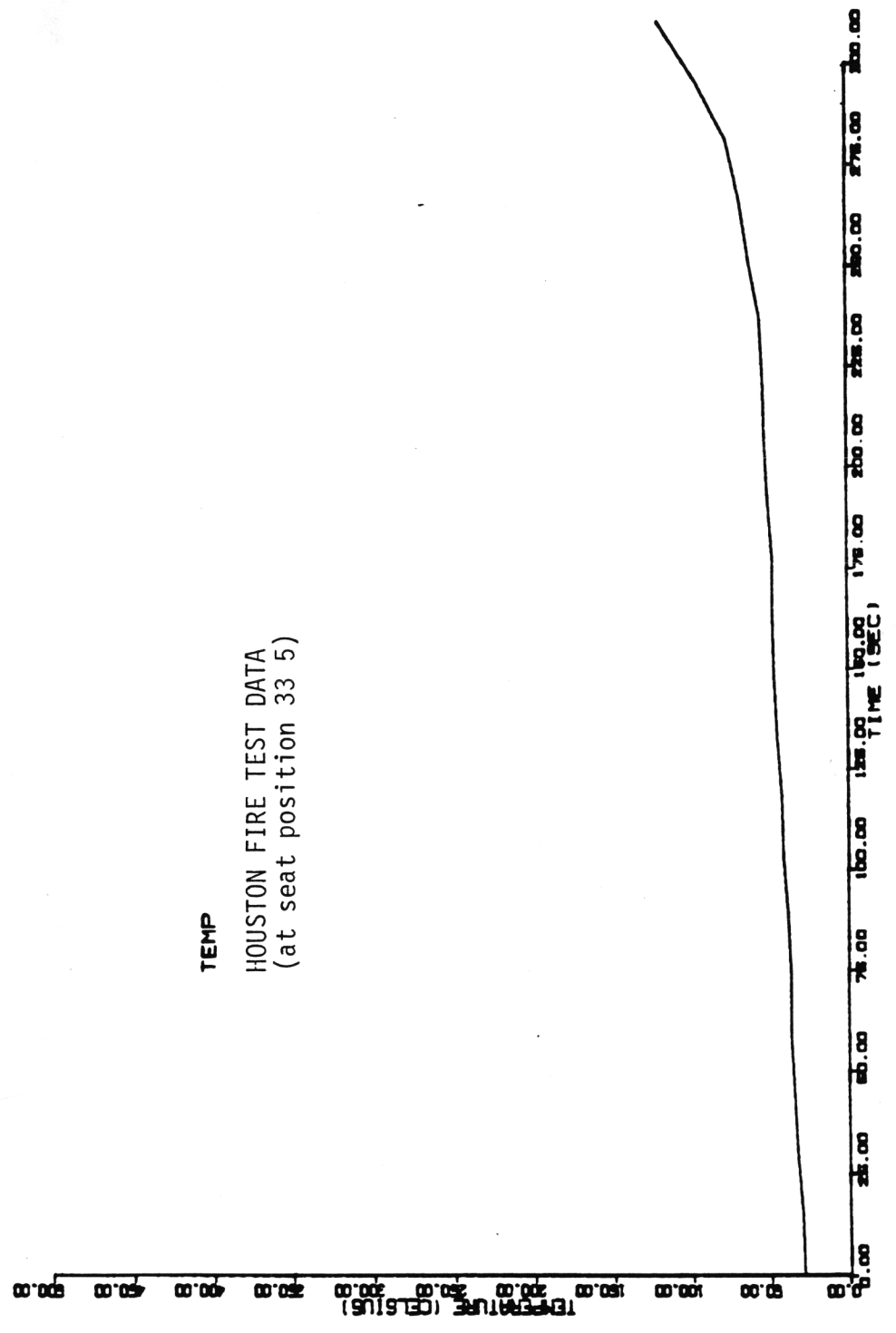
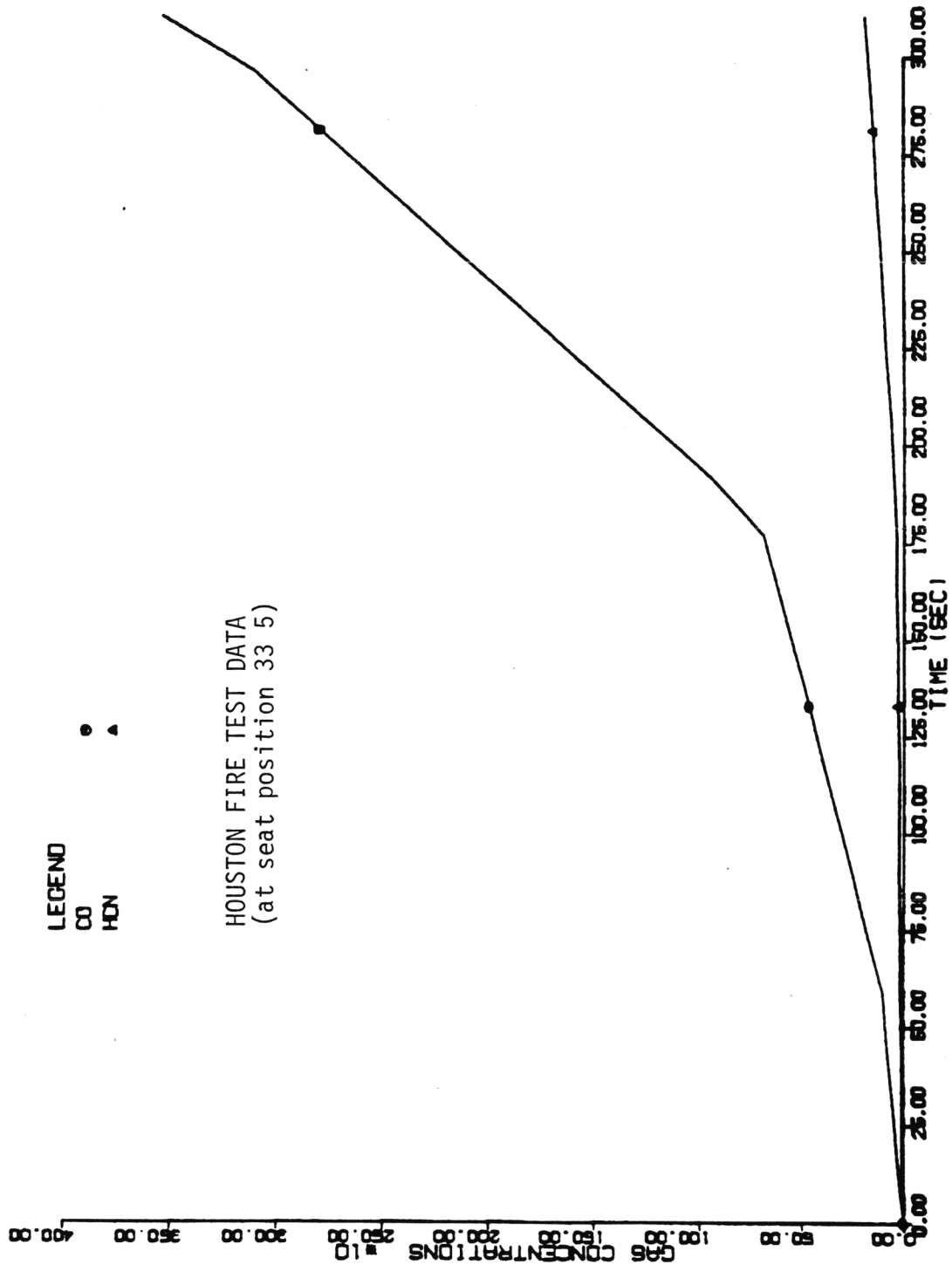


NICK ENGLER'S
PRESENTATION
7/28/83
Dick
FYI
1 hr

TEMP
HOUSTON FIRE TEST DATA
(at seat position 33 5)

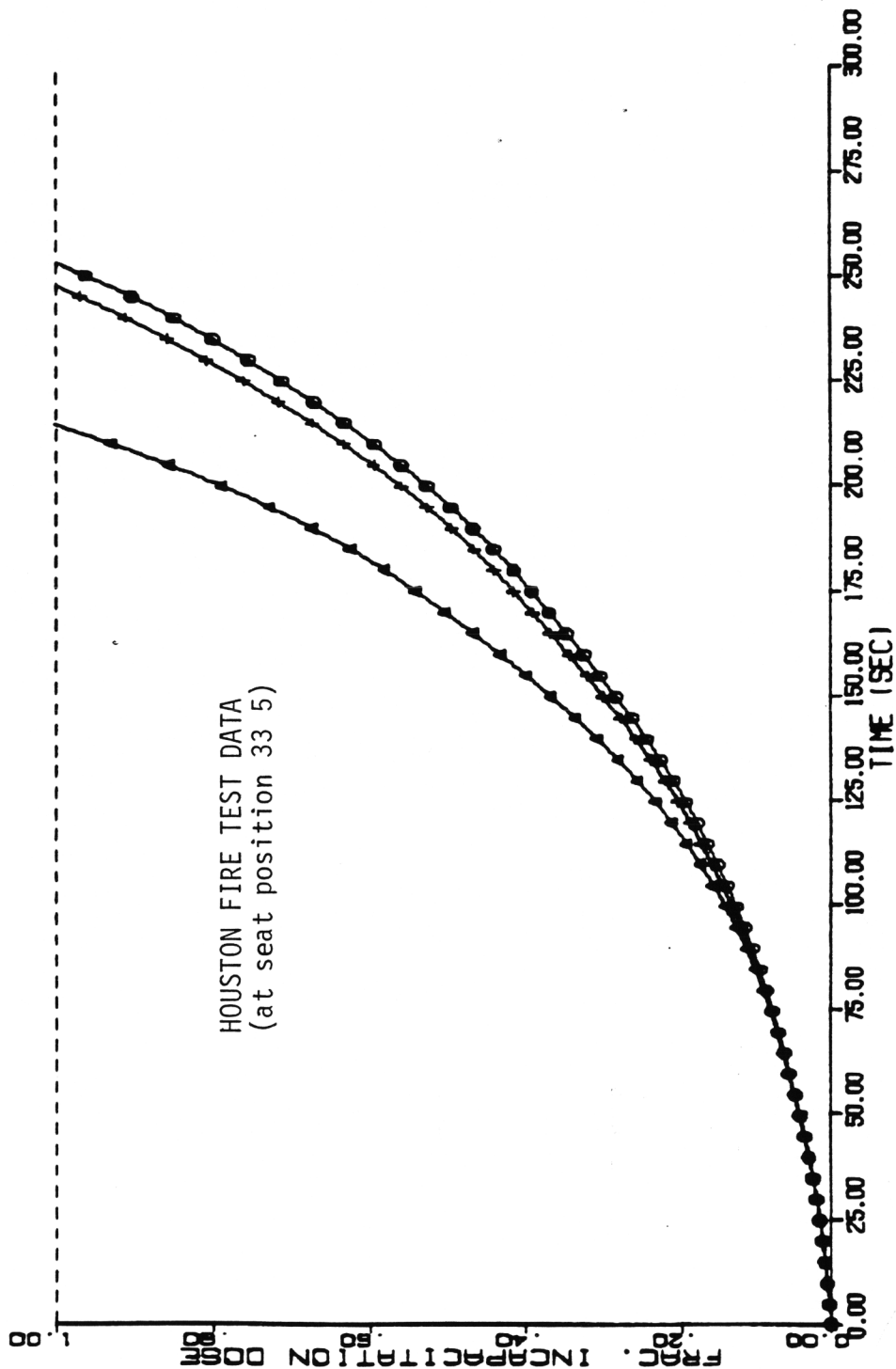




LEGEND

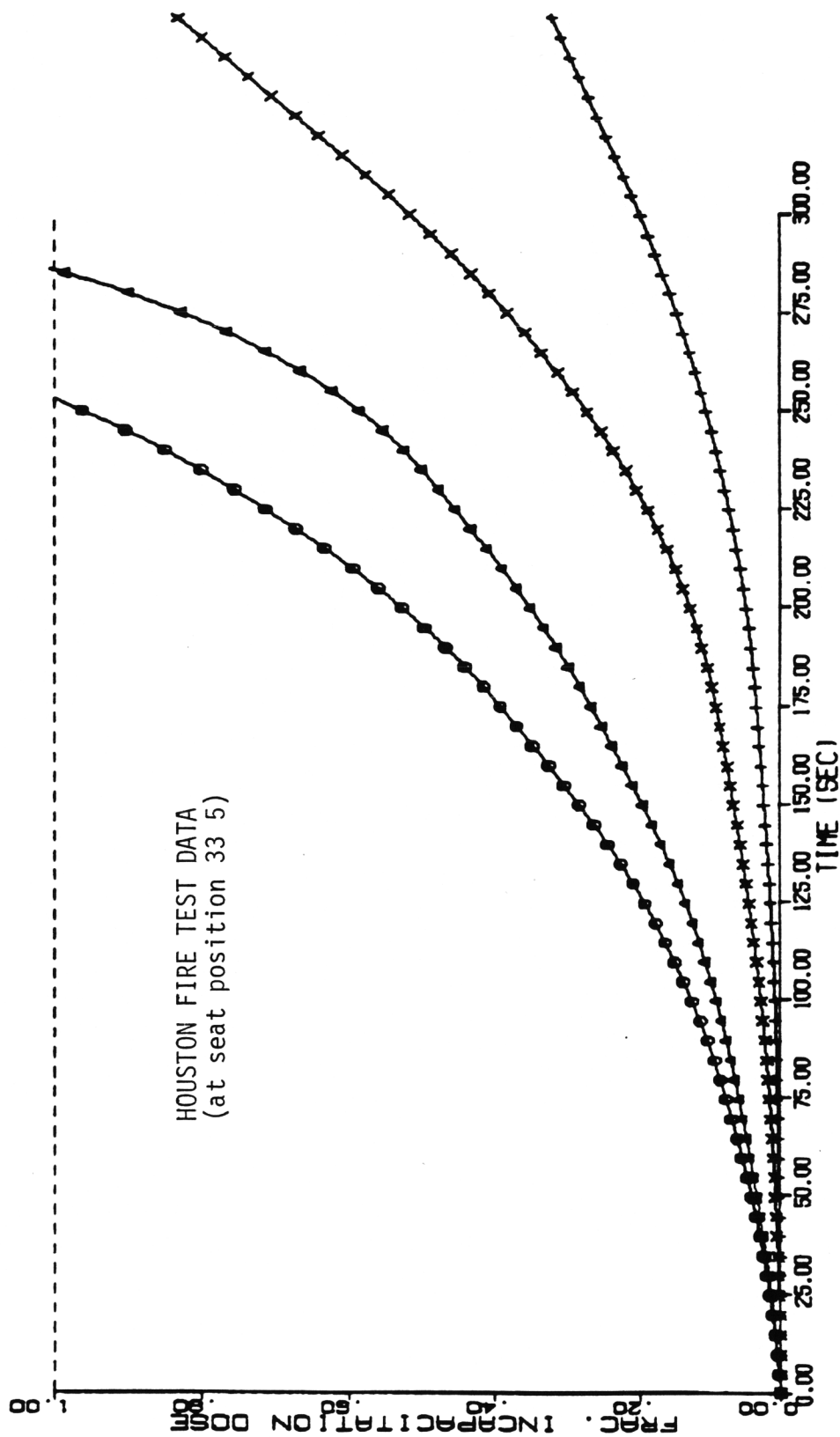
FD ●
 FDZERO BR LINEAR ▲
 FDZERO BR CONST. +

FD - Sarkos' incap. equation
 FDZERO - Crane's incap. equation
 BR Linear - BR = 10.55 X Time + 300 (ml/s)
 BR Constant - BR = 850 (ml/s)



FD - Sarkos' incap. equation

LEGEND
 FD ○
 TEMP COMP. ▲
 CO COMP. +
 HCN COMP. x

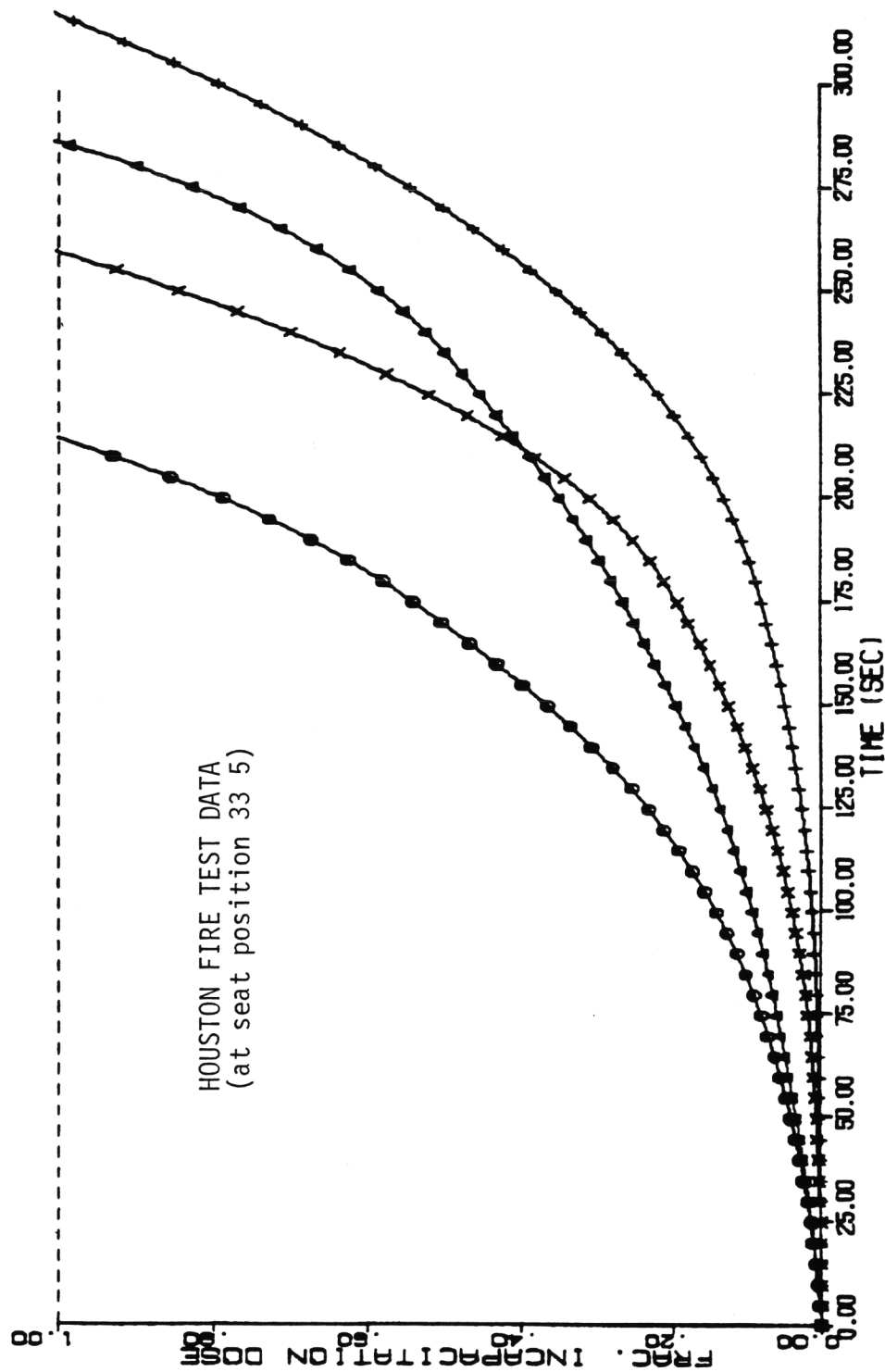


LEGEND

FDZERO ○
 TEMP COMP. ▲
 CO COMP. +
 HCN COMP. x

FDZERO - Crane's incap. equation

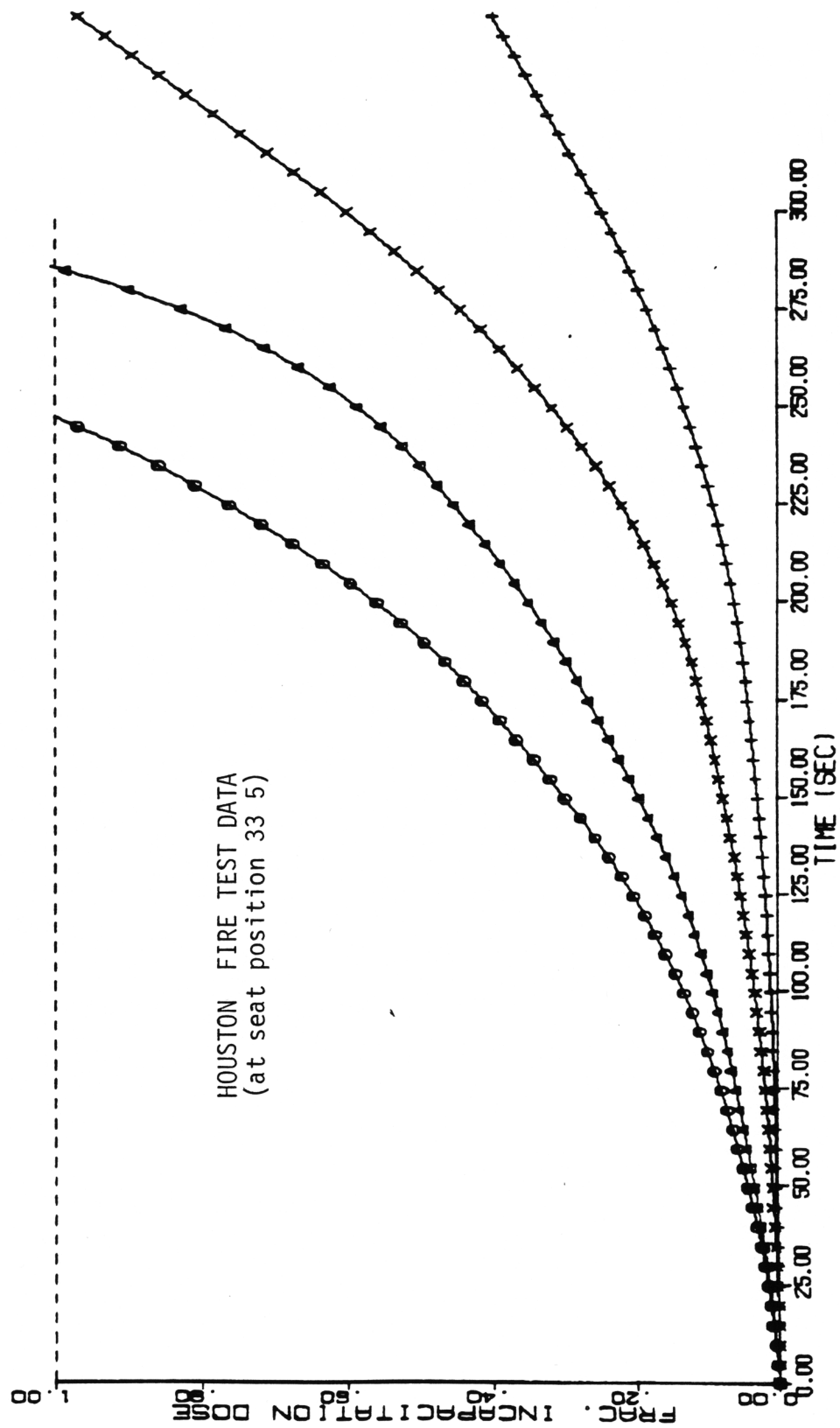
BR = 10.55 X Time + 300 ml/s



LEGEND

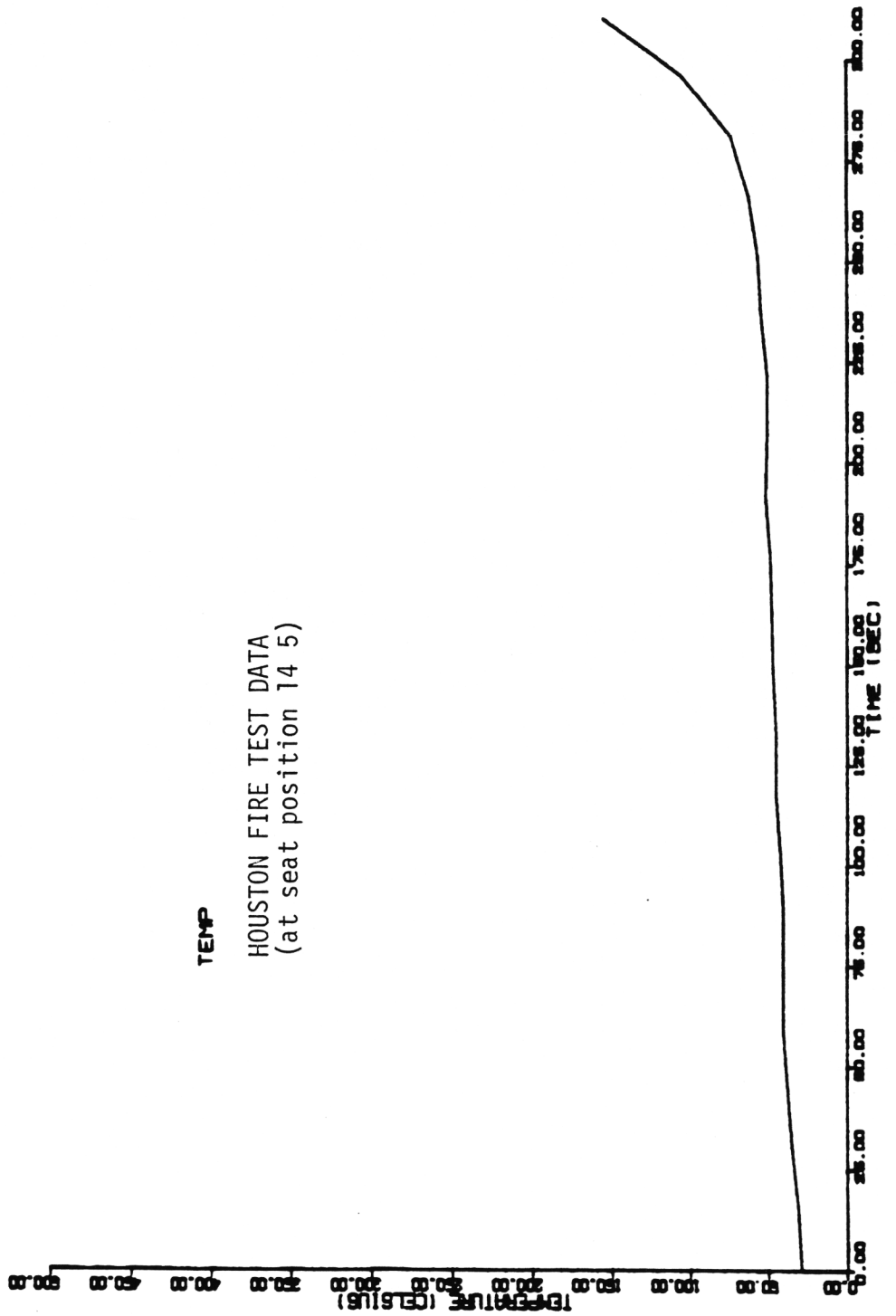
FDZERO ○
 TEMP COMP. ▲
 CO COMP. +
 HCN COMP. x

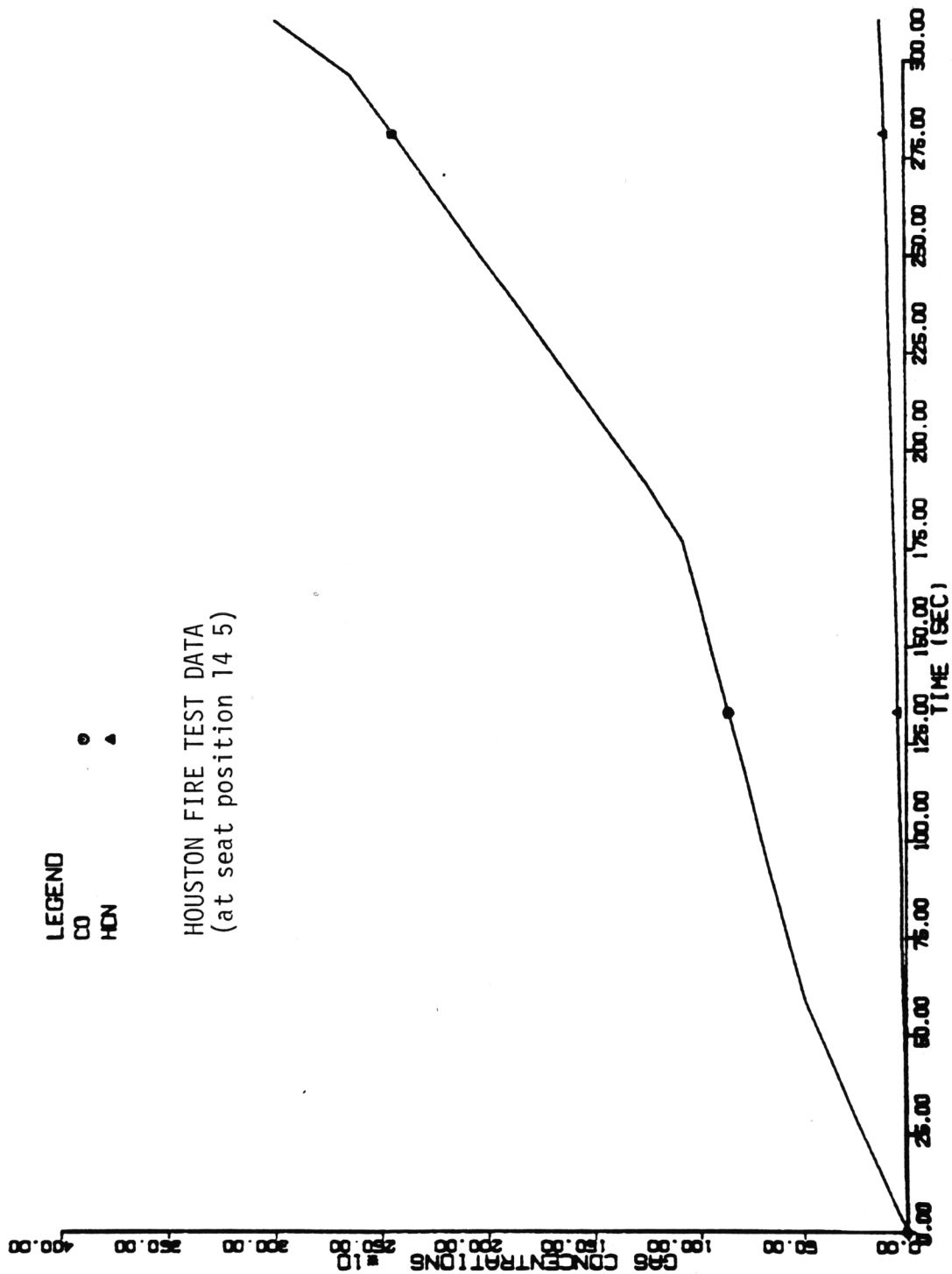
FDZERO - Crane's incap. equation
 BR = 850 (ml/s)



TEMP

HOUSTON FIRE TEST DATA
(at seat position 14 5)

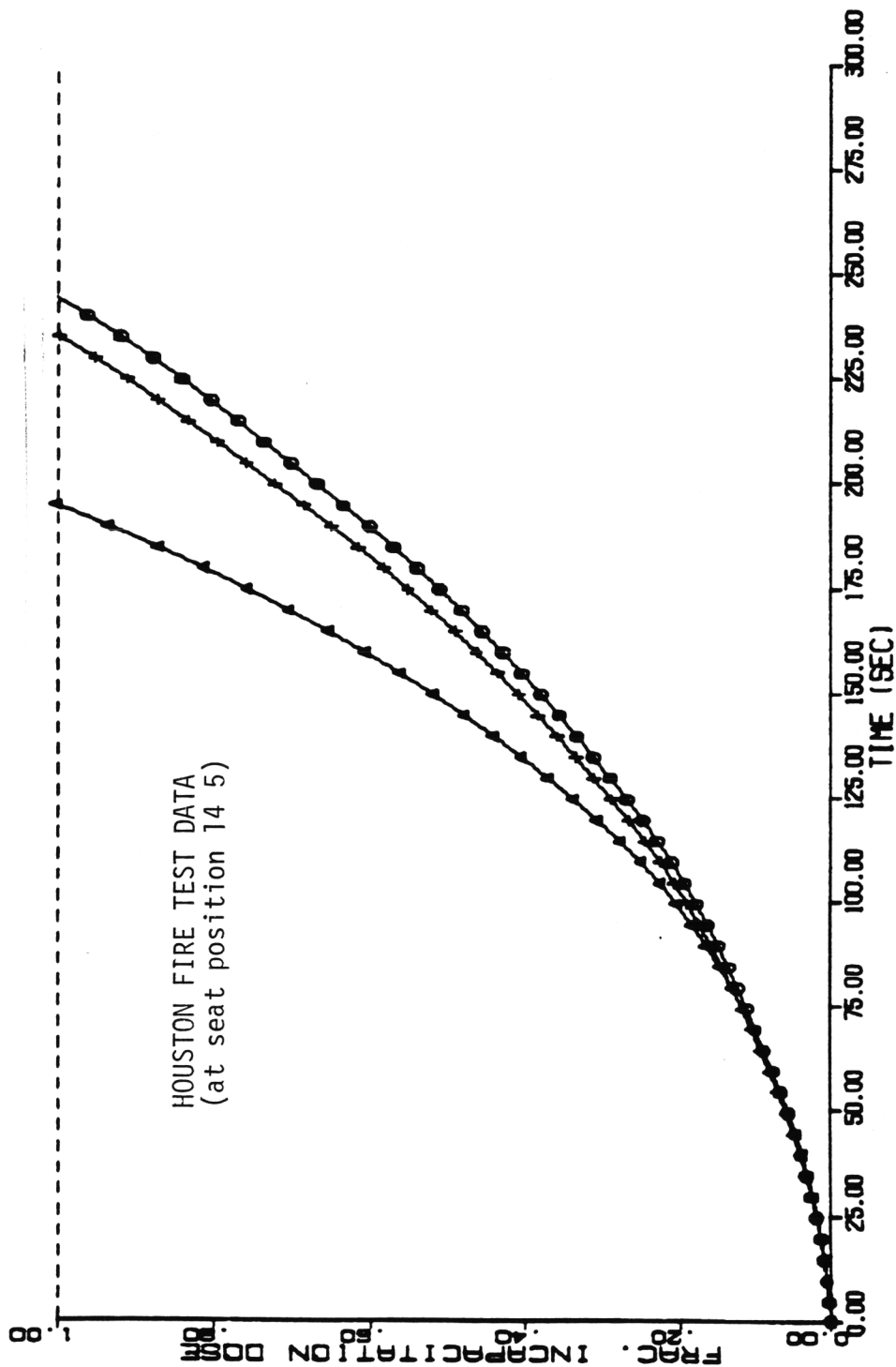




LEGEND

FD ○
 FDZERO BR LINEAR ▲
 FDZERO BR CONST. +

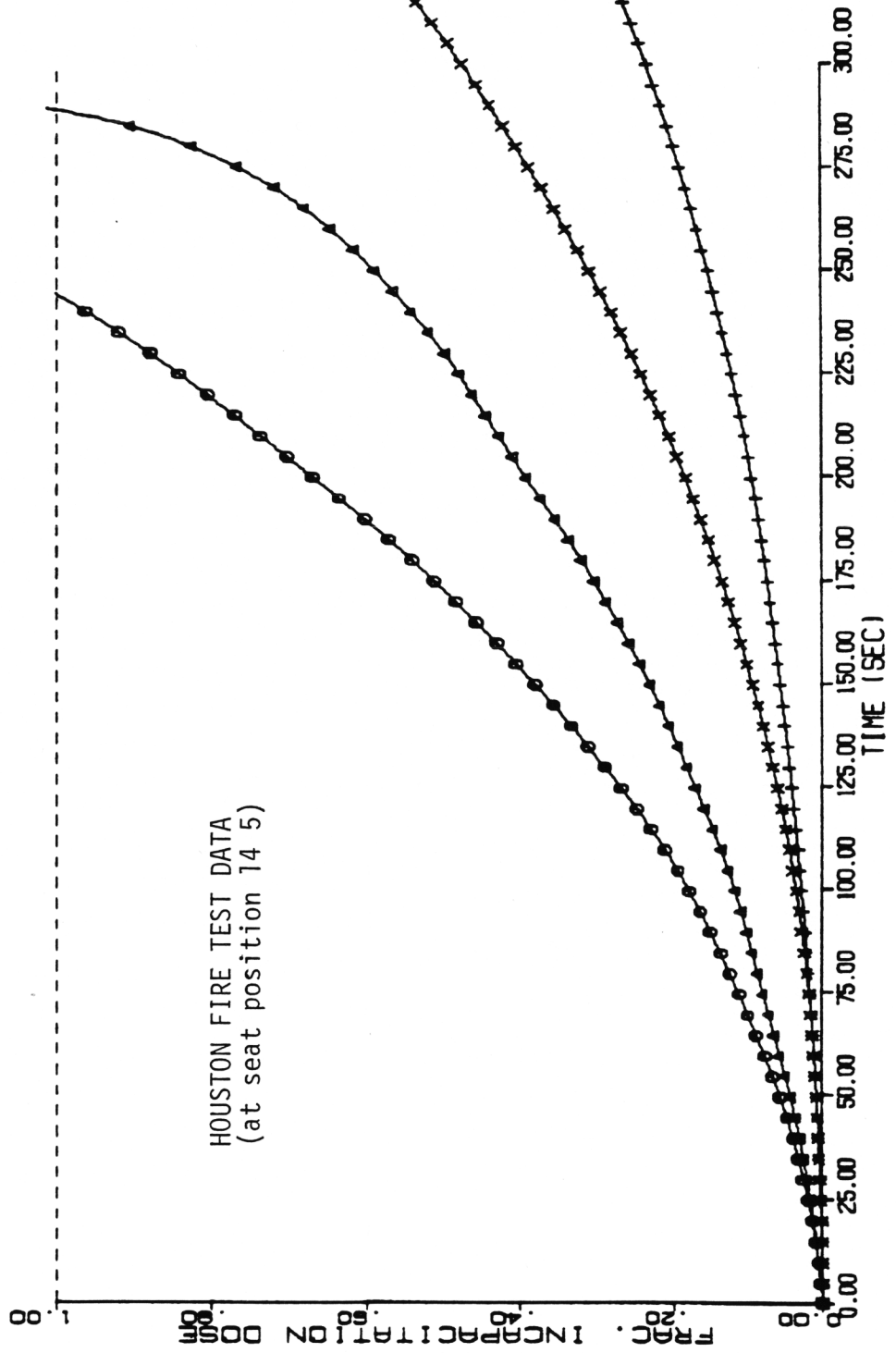
FD - Sarkos' incap. equation
 FDZERO - Crane's incap. equation
 BR Linear - $BR = 10.55 \times \text{Time} + 300 \text{ (ml/s)}$
 BR Constant - $BR = 850 \text{ (ml/s)}$



LEGEND

FD 0
 TEMP COMP. ▲
 CO COMP. +
 HCN COMP. x

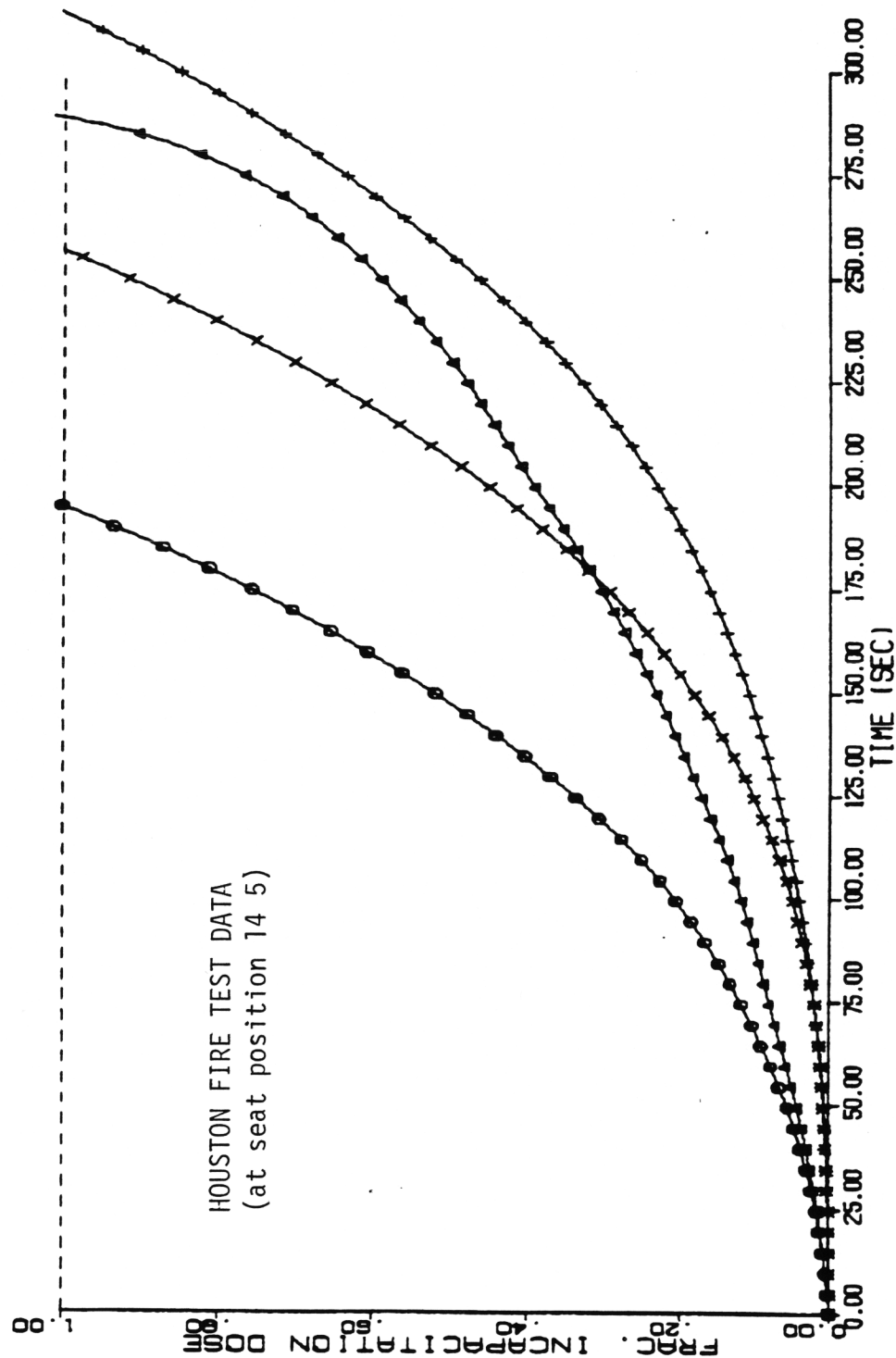
FD - Sarkos' incap. equation



LEGEND

FDZERO ●
 TEMP COMP. ▲
 CO COMP. +
 HCN COMP. x

FDZERO - Crane's incap. equation
 BR = 10.55 X Time + 300 (ml/s)

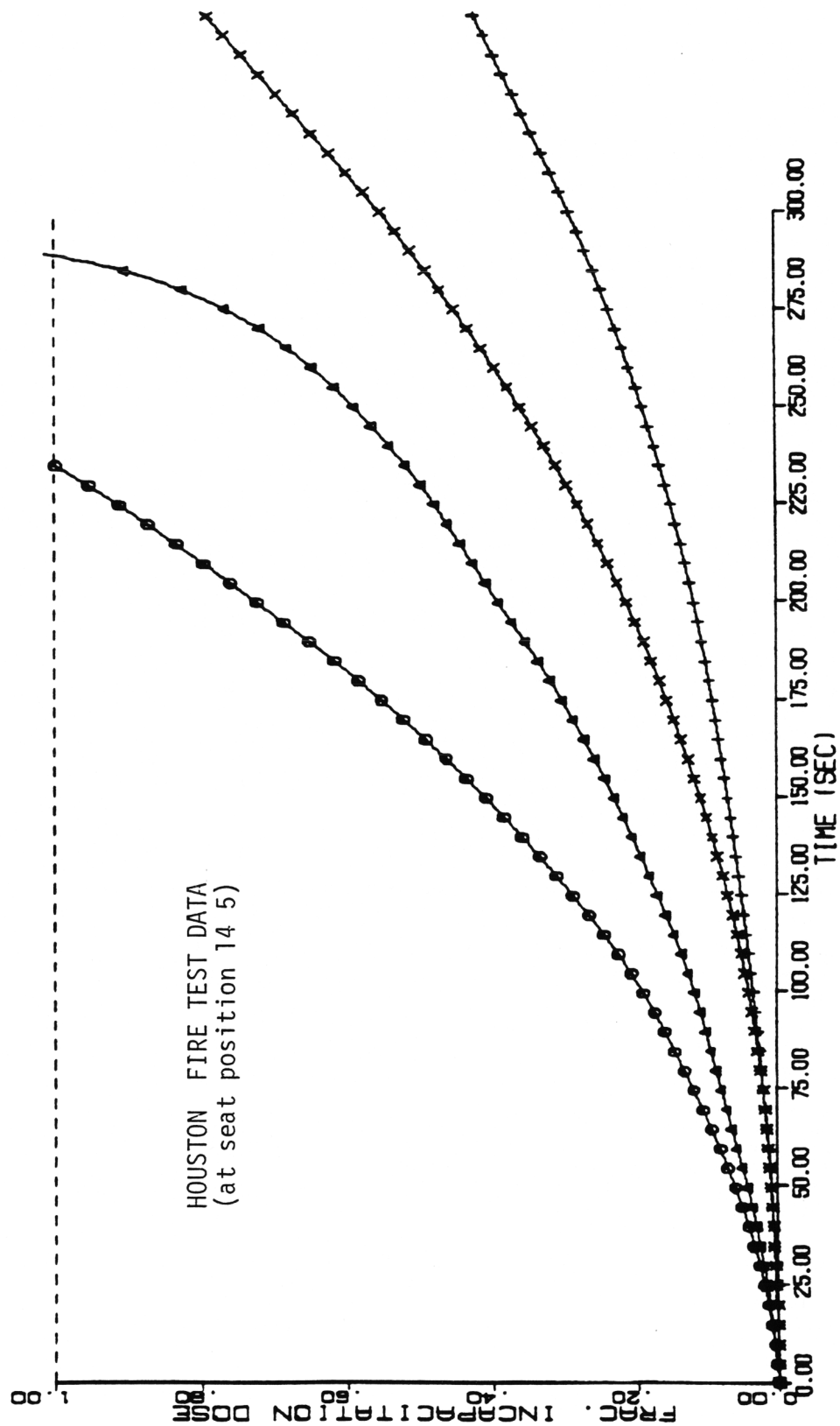


LEGEND

FDZERO
 TEMP COMP.
 CO COMP.
 HCN COMP.

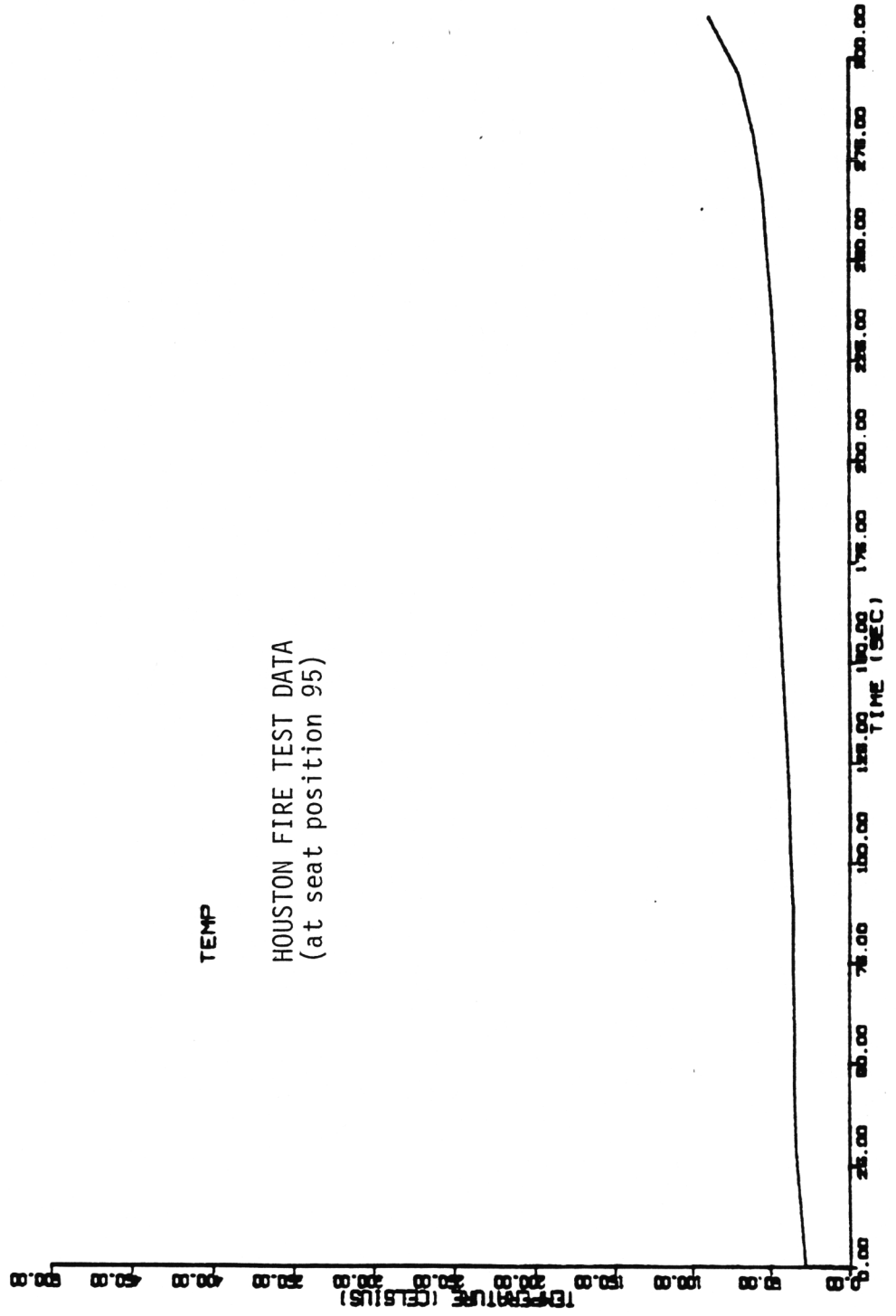
FDZERO - Crane's incap. equation

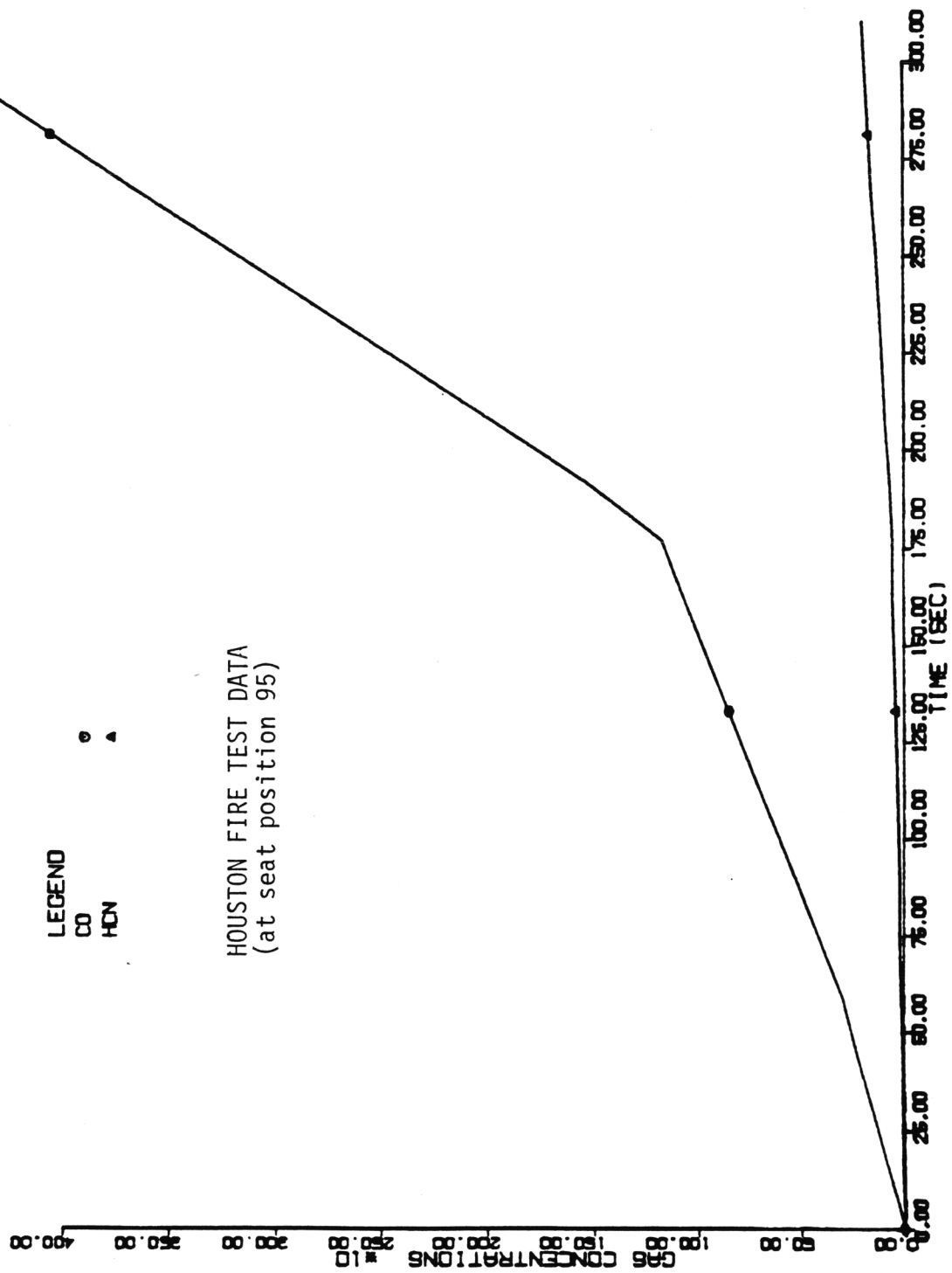
BR = 850 (ml/s)



TEMP

HOUSTON FIRE TEST DATA
(at seat position 95)

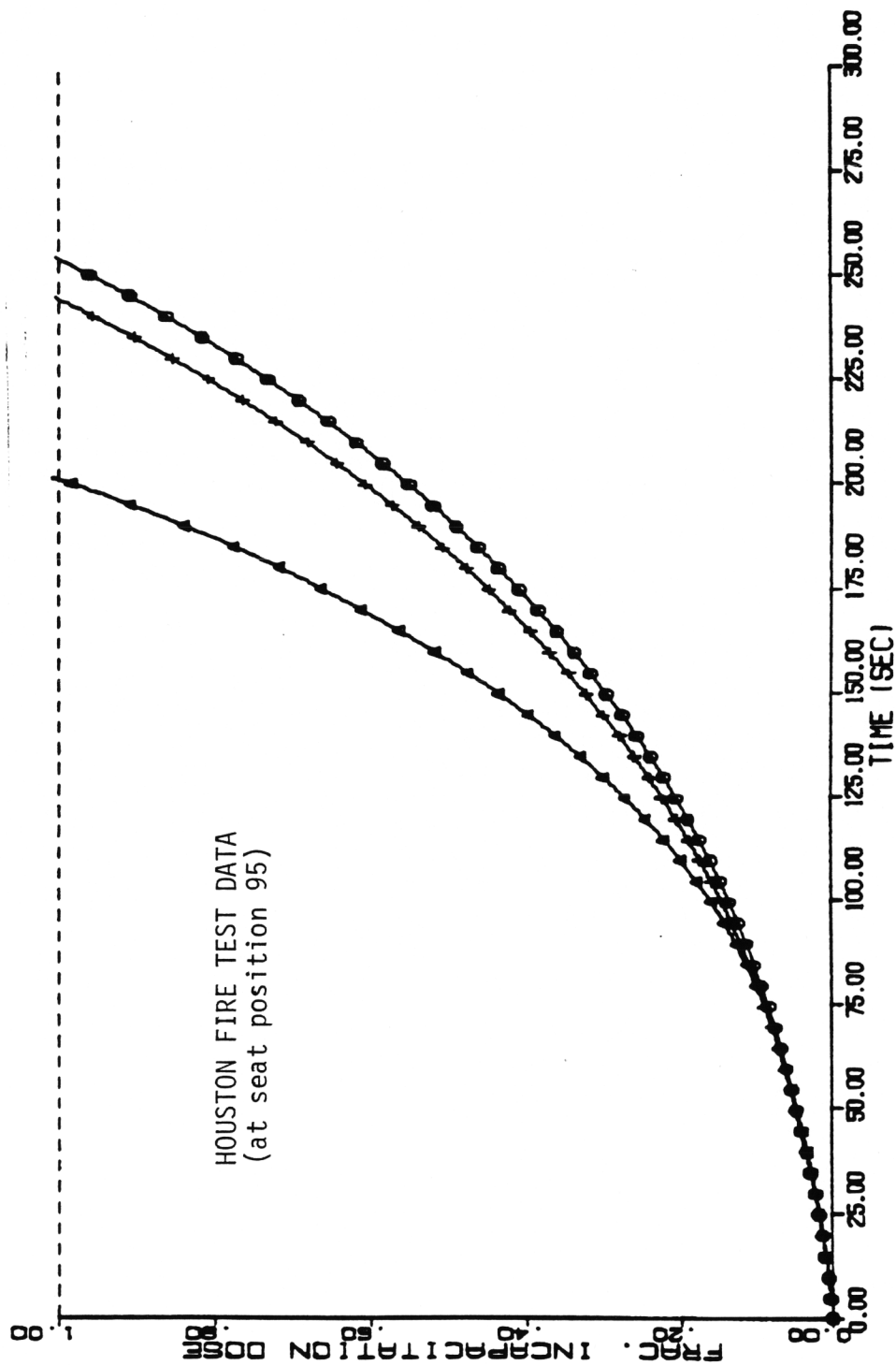




LEGEND

FD ○
 FDZERO BR LINEAR ▲
 FDZERO BR CONST. +

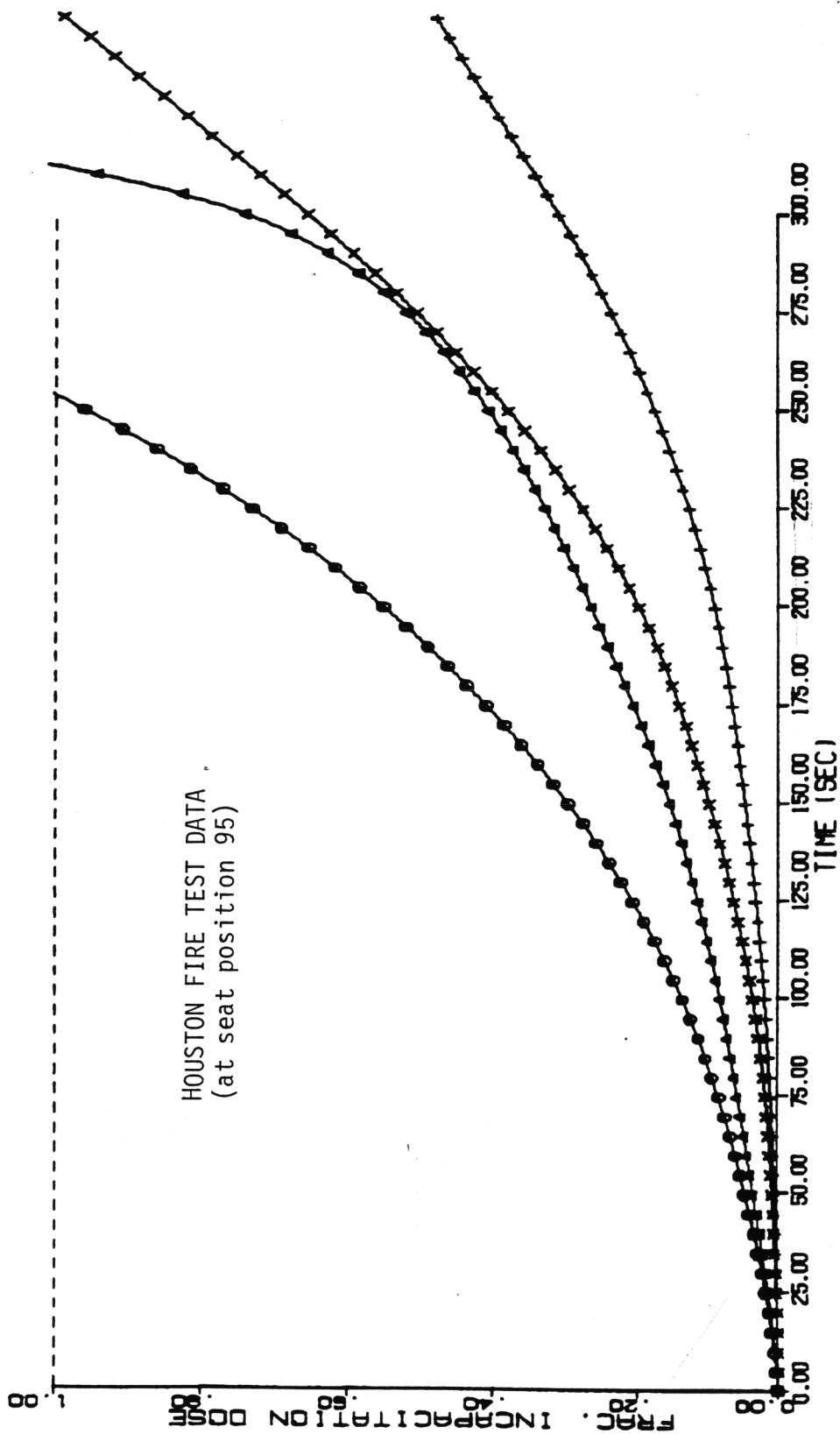
FD - Sarkos' incap. equation
 FDZERO - Crane's incap. equation
 BR Linear - $BR = 10.55 \times \text{Time} + 300 \text{ (ml/s)}$
 BR Constant - $BR = 850 \text{ (ml/s)}$



LEGEND

FD o
 TEMP COMP. Δ
 CO COMP. +
 HCN COMP. x

FD - Sarkos' incap. equation

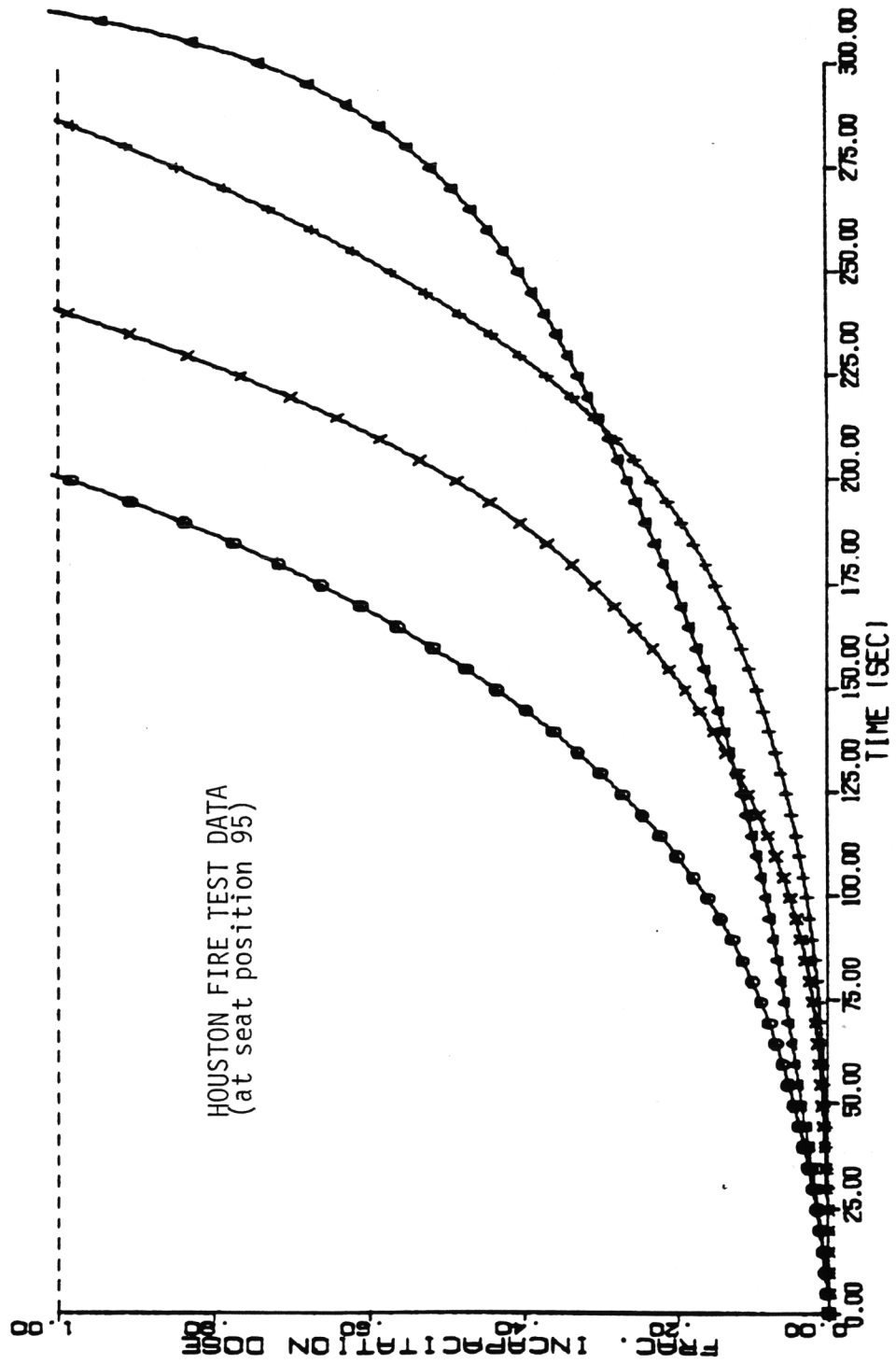


LEGEND

FDZERO ●
 TEMP COMP. ▲
 CO COMP. +
 HCN COMP. x

FDZERO - Crane's incap. equation

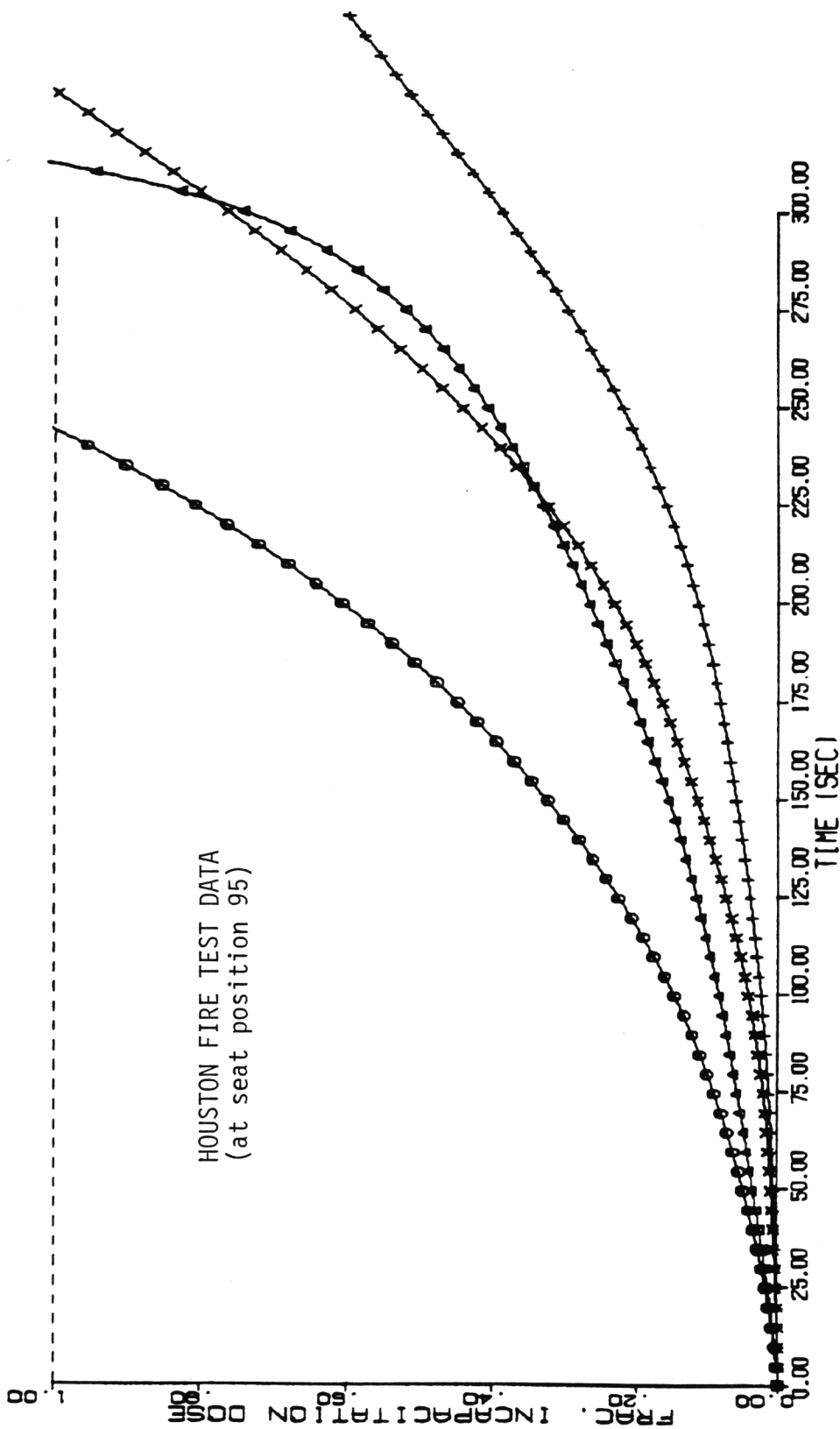
$$BR = 10.55 \times \text{Time} + 300 \text{ (ml/s)}$$



LEGEND

- FDZERO ●
- TEMP COMP. ▲
- CO COMP. †
- HClN COMP. x

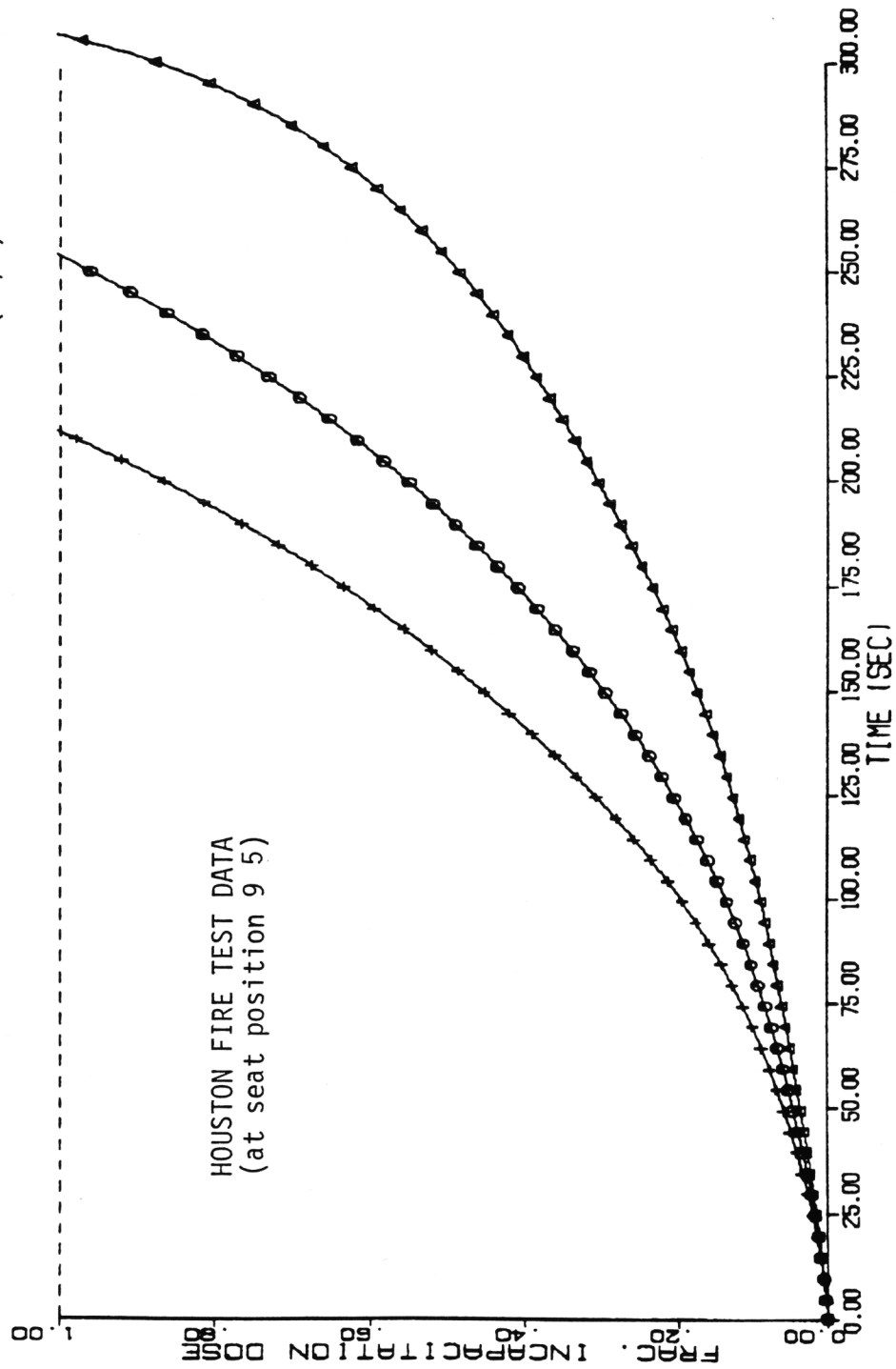
FDZERO - Crane's incap. equation
BR = 850 (ml/s)



LEGEND

FD ○
 FDZERO BR=100 ▲
 FDZERO BR=1500 +

FD - Sarkos' incap. equation
 FDZERO - Crane's incap. equation
 BR = 100 (ml/s)
 BR = 1500 (ml/s)



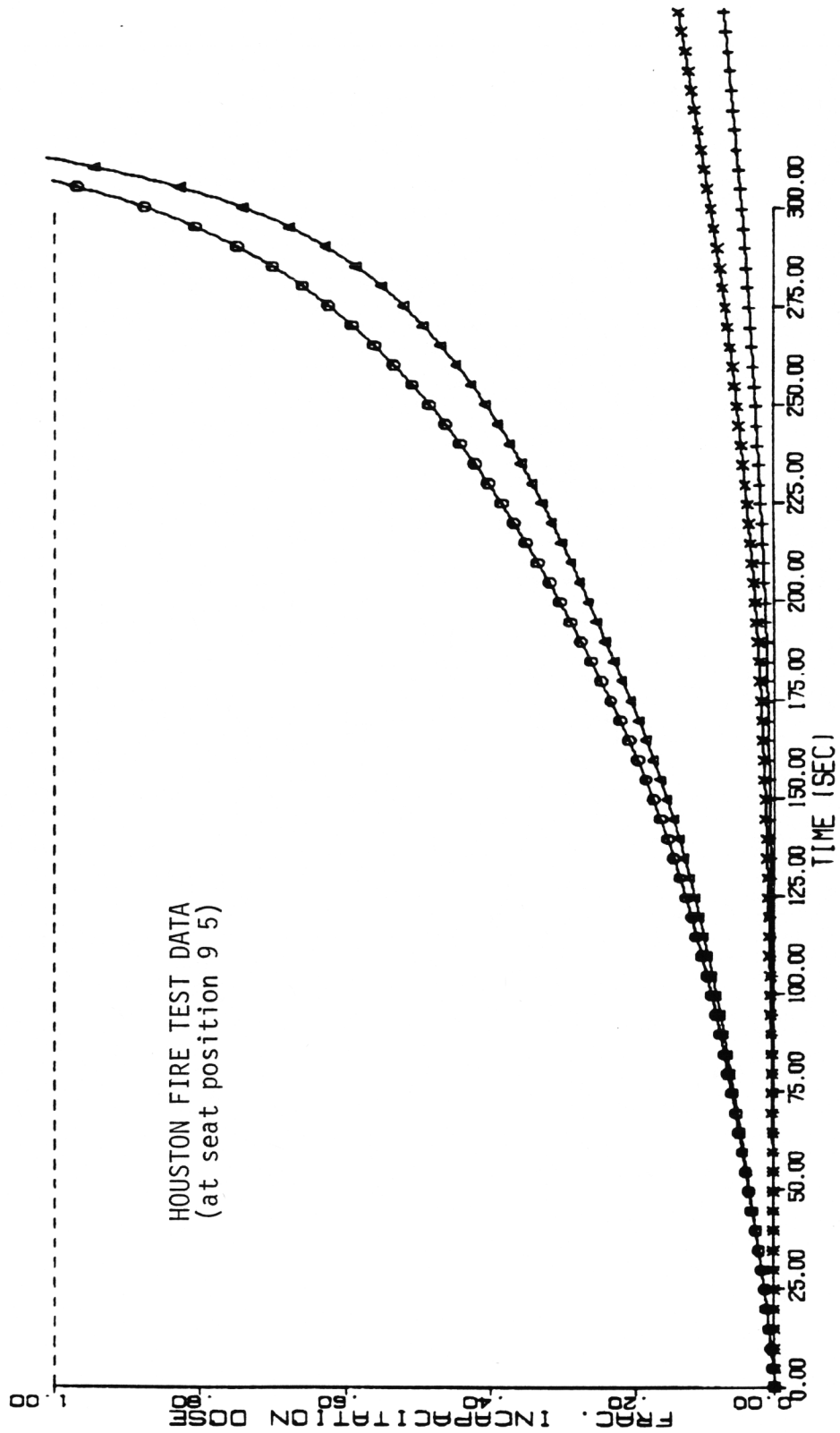
LEGEND

FDZERO ○
 TEMP COMP. ▲
 CO COMP. +
 HCN COMP. x

FDZERO- Crane's incap. equation

BR = 100 (m1/s)

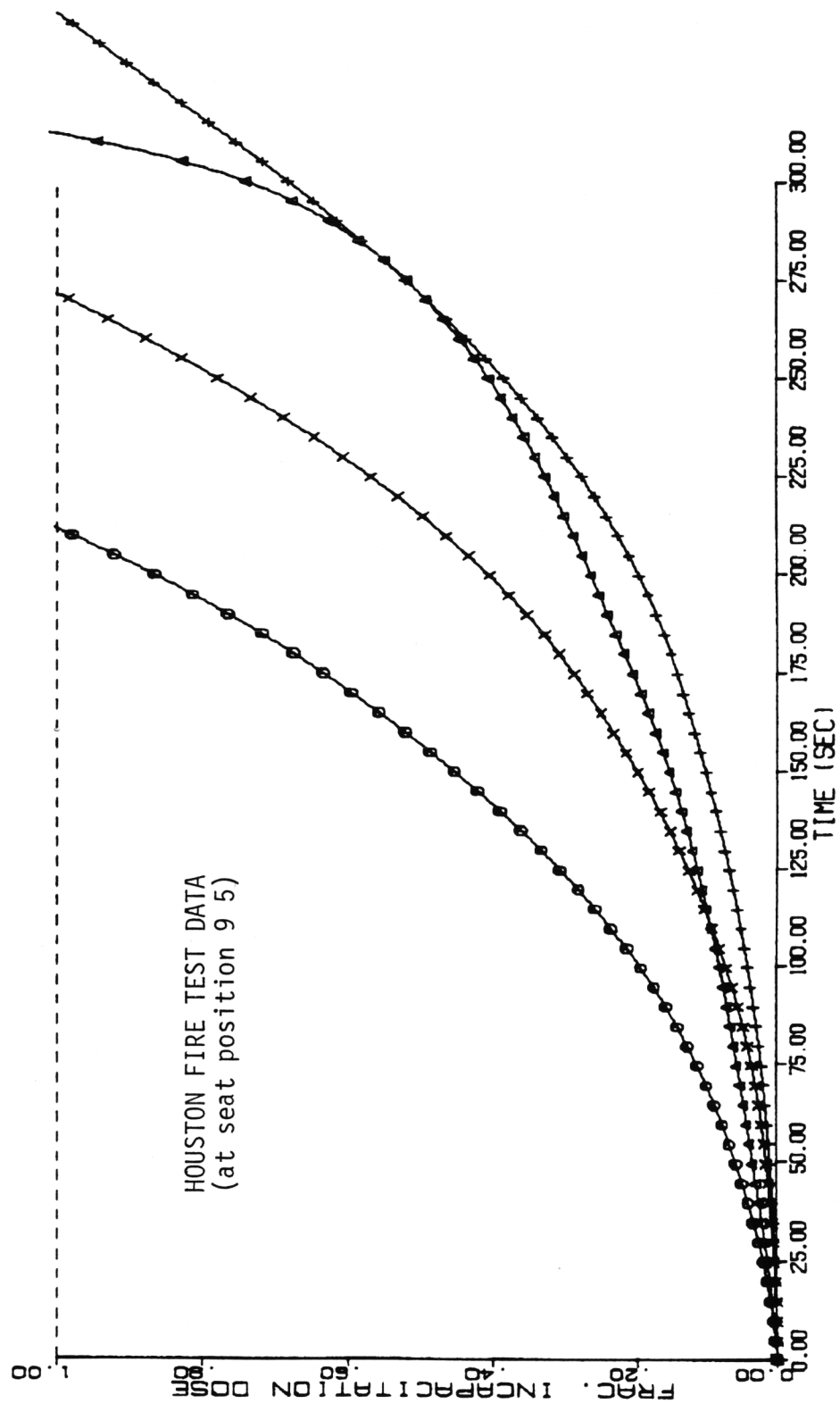
HOUSTON FIRE TEST DATA
 (at seat position 9 5)

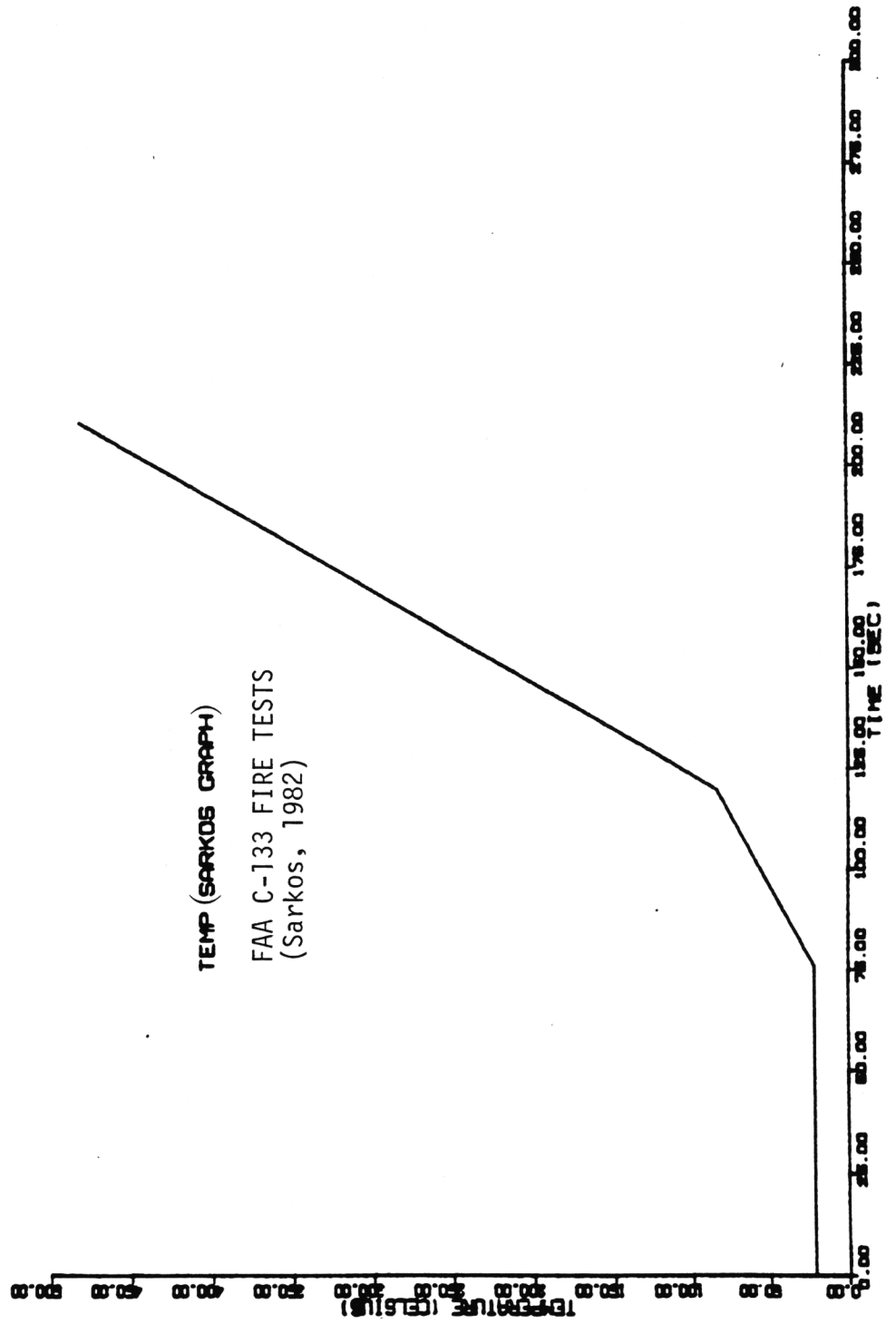


LEGEND

FDZERO	o
TEMP COMP.	Δ
CO COMP.	+
HCN COMP.	x

FDZERO - Crane's incap. equation
BR = 1500 (ml/s)





06 CONCENTRATIONS

LEGEND
CO (SARKOS OVERH) :
HCN :

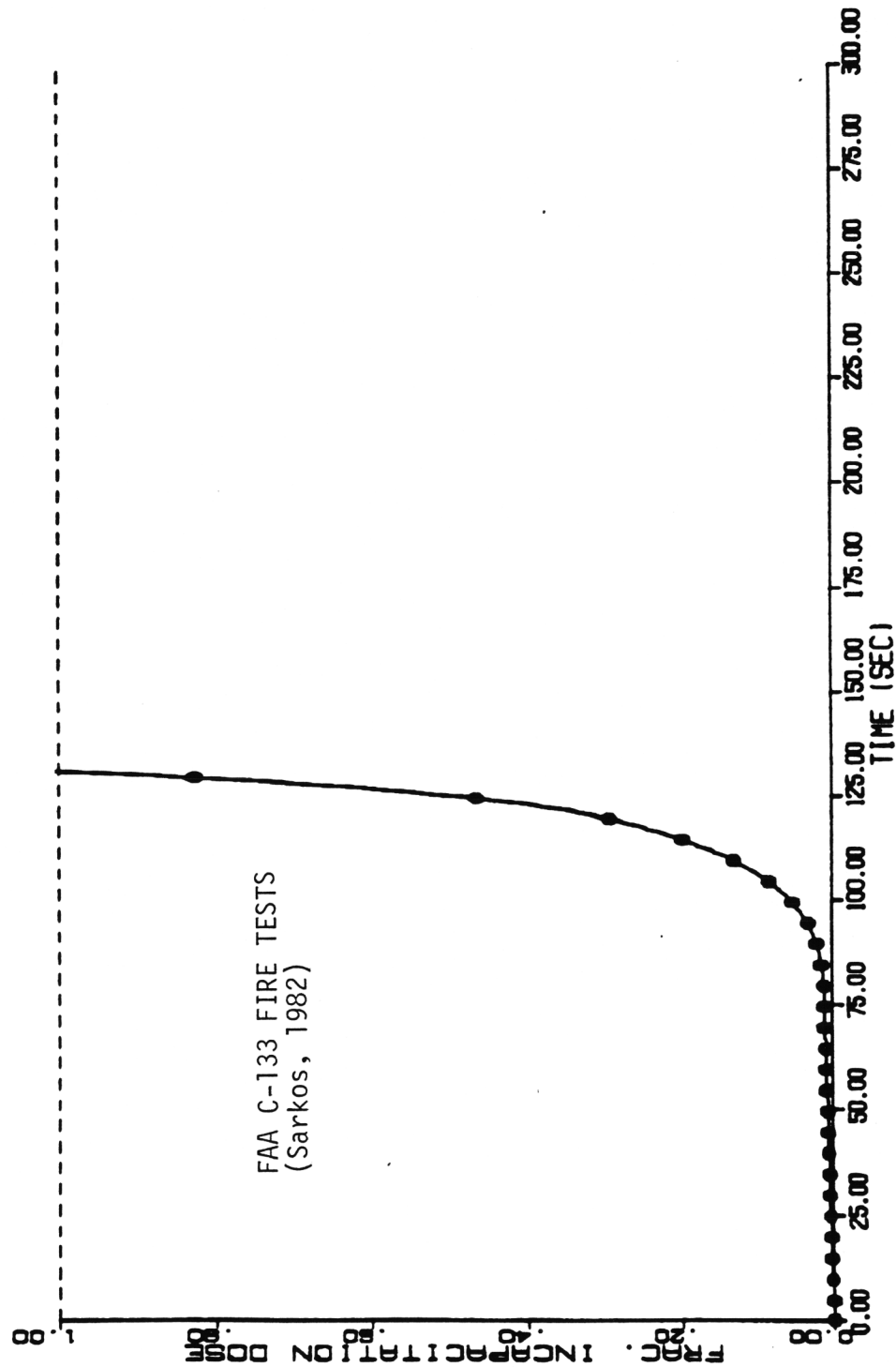
FAA C-133 FIRE TESTS
(Sarkos, 1982)

0.00 25.00 50.00 75.00 100.00 125.00 150.00 175.00 200.00 225.00 250.00 275.00 300.00
TIME (SEC)



LEGEND

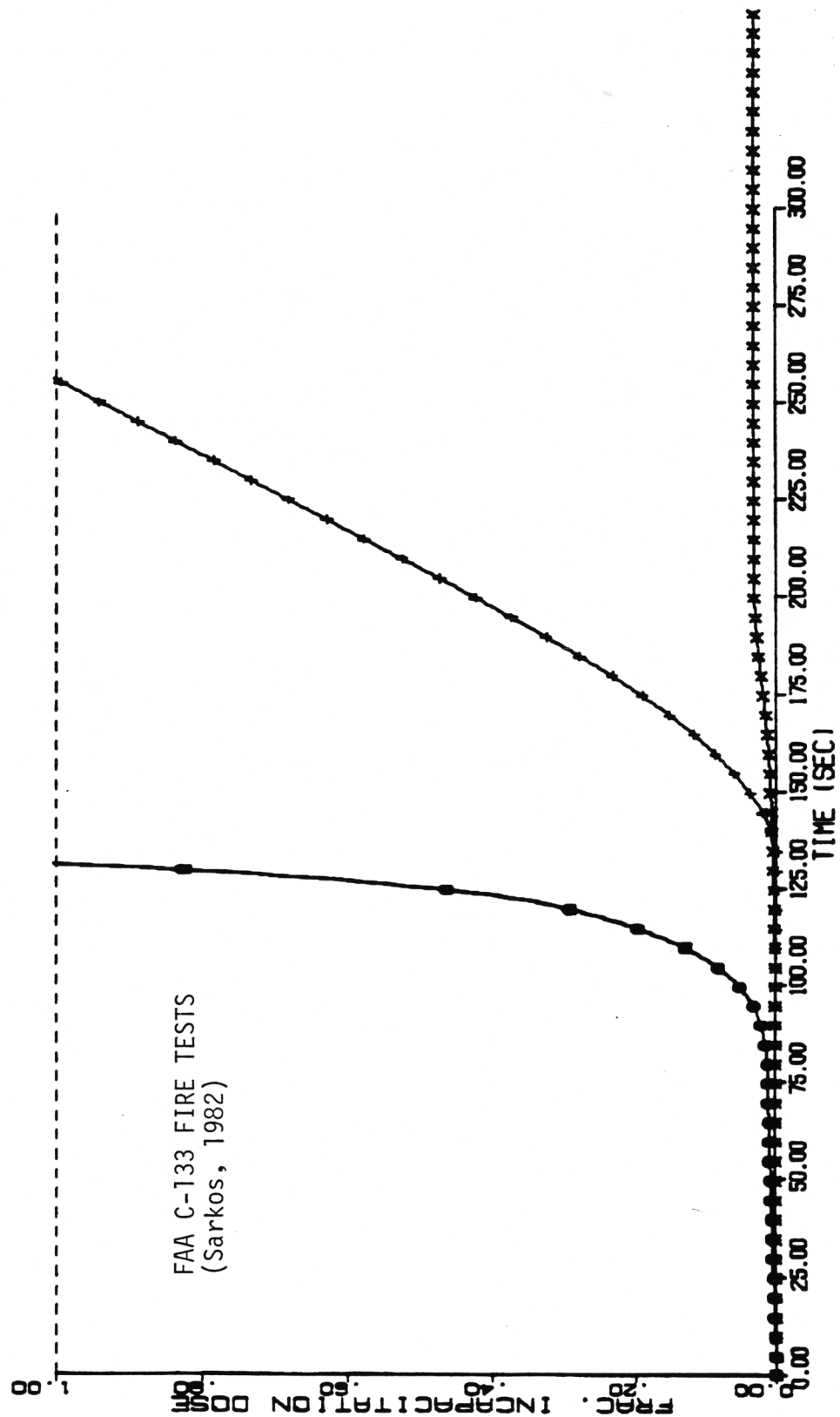
FD - Sarkos' incap. equation
 FDZERO - Crane's incap. equation
 BR LINEAR - BR = 10.55 X Time + 300 (ml/s)
 BR CONSTANT - BR = 850 (ml/s)



LEGEND

FD ●
 TEMP COMP. ▲
 CO COMP. +
 HDN COMP. x

FD - Sarkos' incap. equation



LEGEND

- FDZERO ●
- TEMP COMP. ▲
- CO COMP. +
- H2N COMP. x

FDZERO - Crane's incap. equation
 $BR = 10.55 \times \text{Time} + 300 \text{ (ml/s)}$

