

Fig. 1.

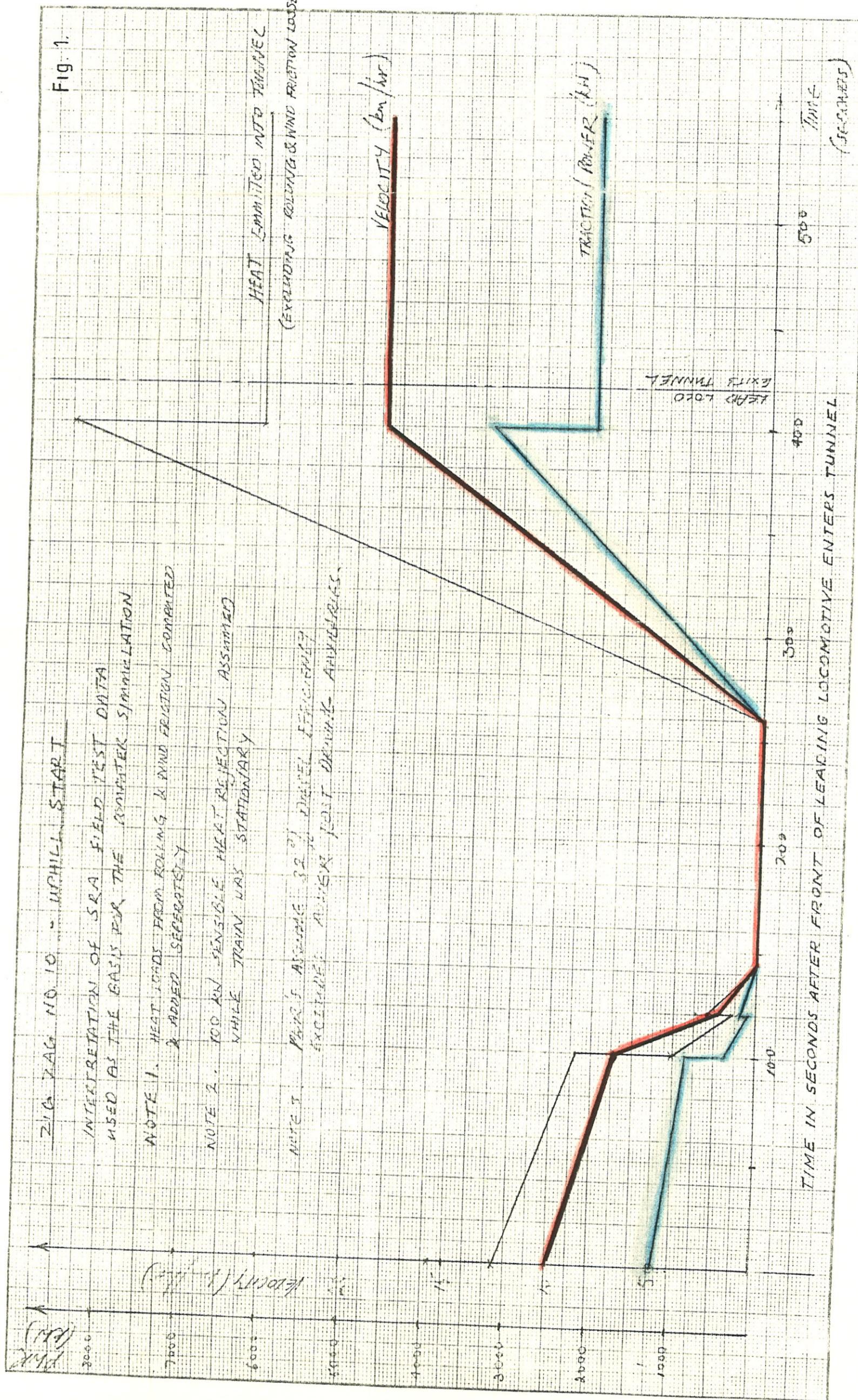


Fig. 2

ZIG ZAG No 10 TUNNEL TEMPERATURE TEST  
TEST 2 - UPHILL RUN.  
Tunnel side wall temperatures at 550 m mark.

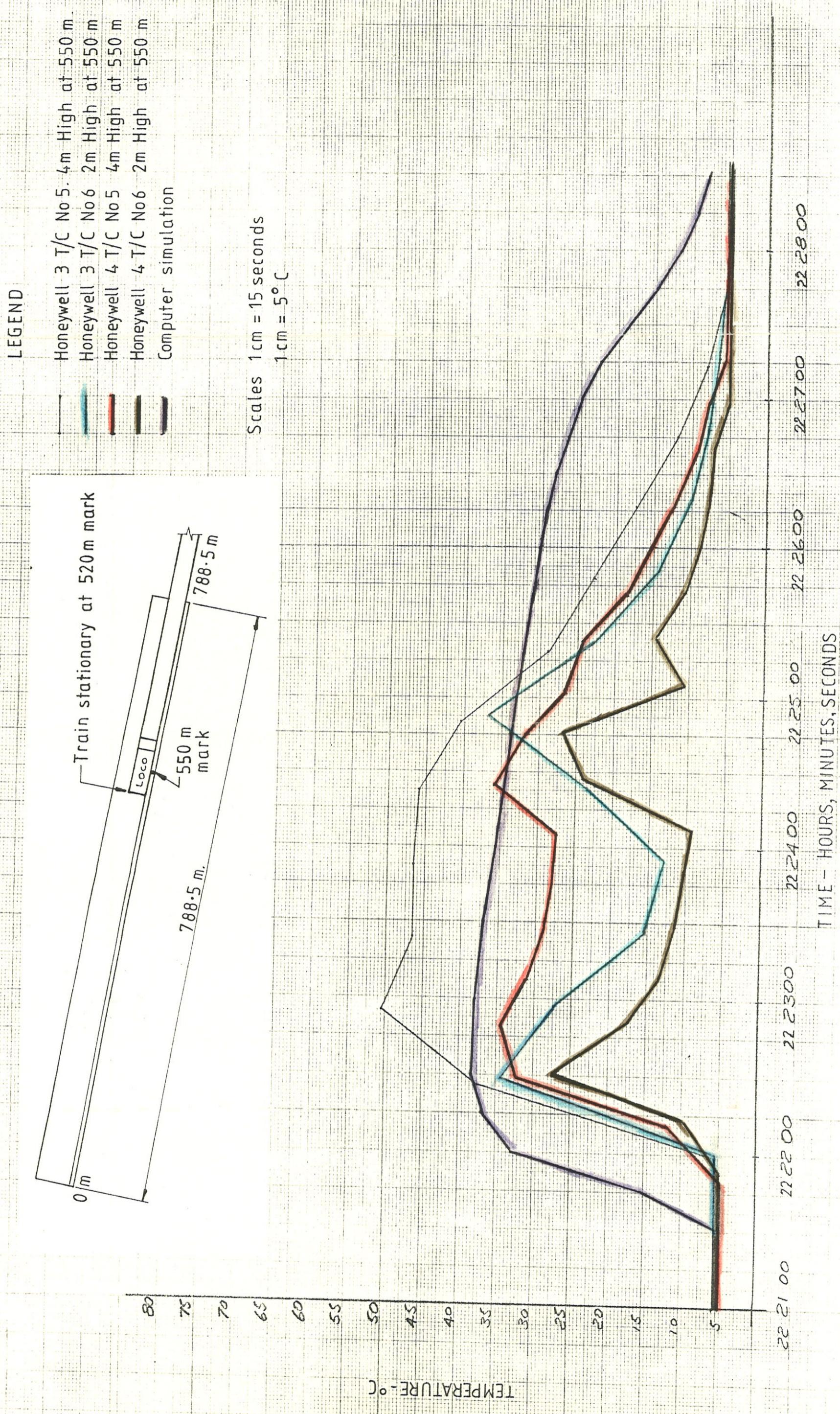
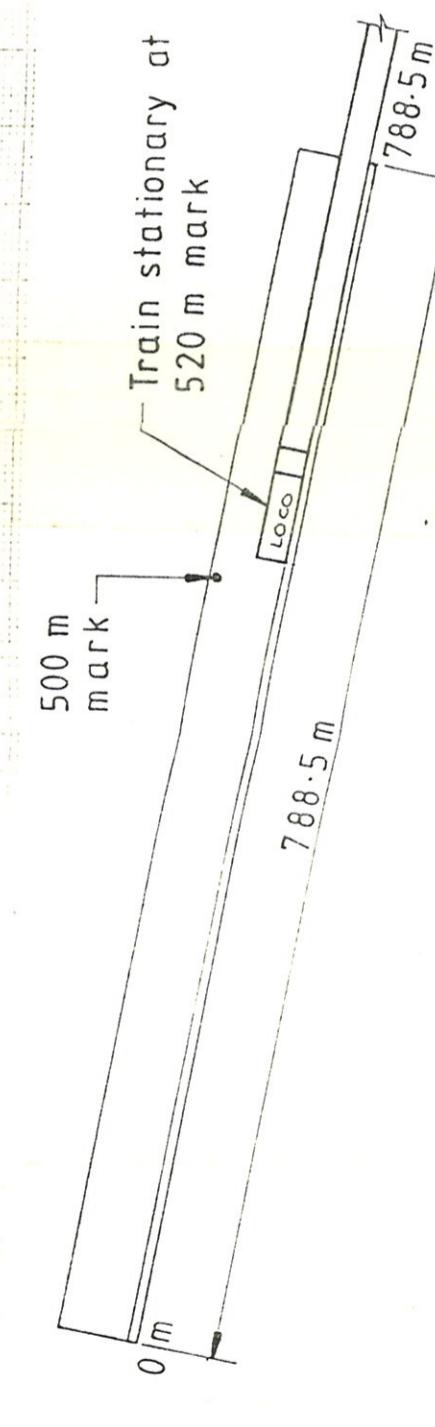


Fig. 3

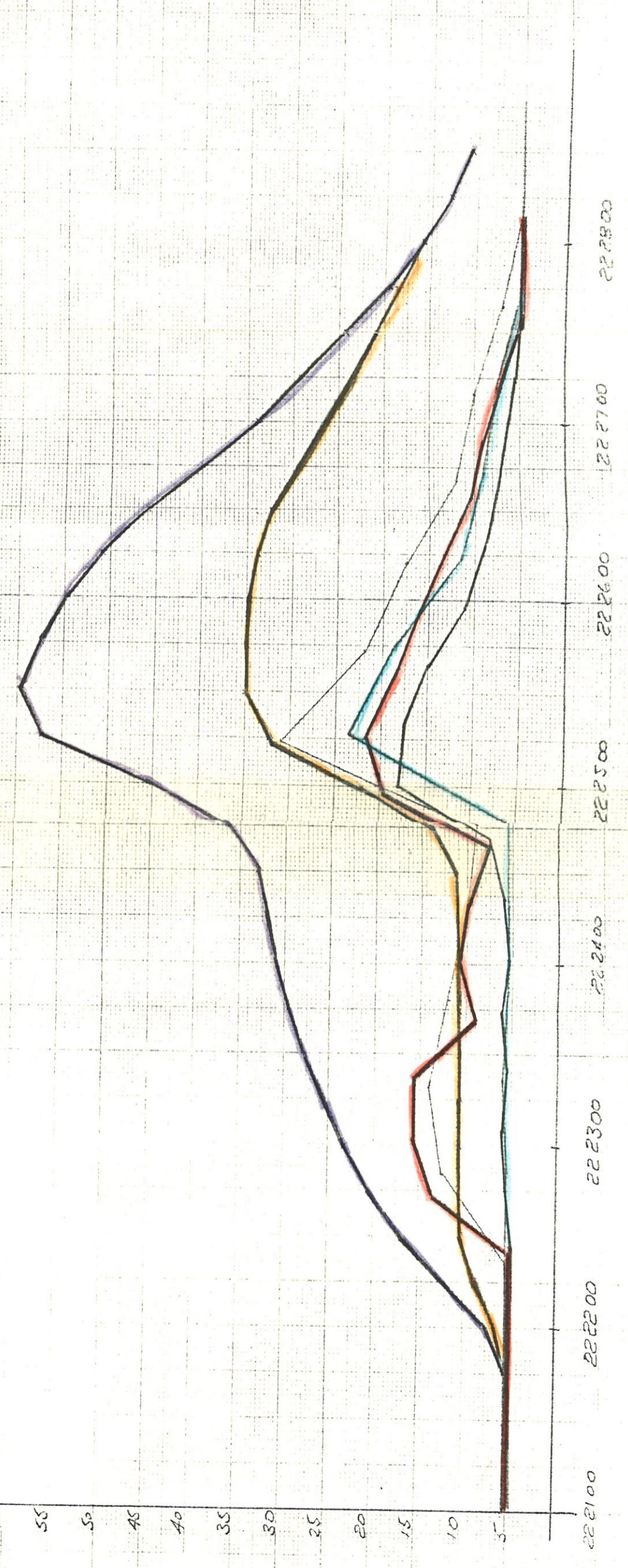
ZIG ZAG No 10 TUNNEL TEMPERATURE TEST  
TEST 2 - UPHILL RUN.  
Tunnel side wall temperatures at 500 m mark.

LEGEND

Honeywell 3 T/C No 3 4m High at 500 m.  
Honeywell 3 T/C No 4 2m High at 500 m.  
Honeywell 4 T/C No 3 4m High at 500 m  
Honeywell 4 T/C No 4 2m High at 500 m  
Computer simulation  
Computer simulation assumed downward airflow 2 m/sec.



TEMPERATURE °C



TIME - HOURS, MINUTS, SECONDS

22 28:00

22 27:00

22 26:00

22 25:00

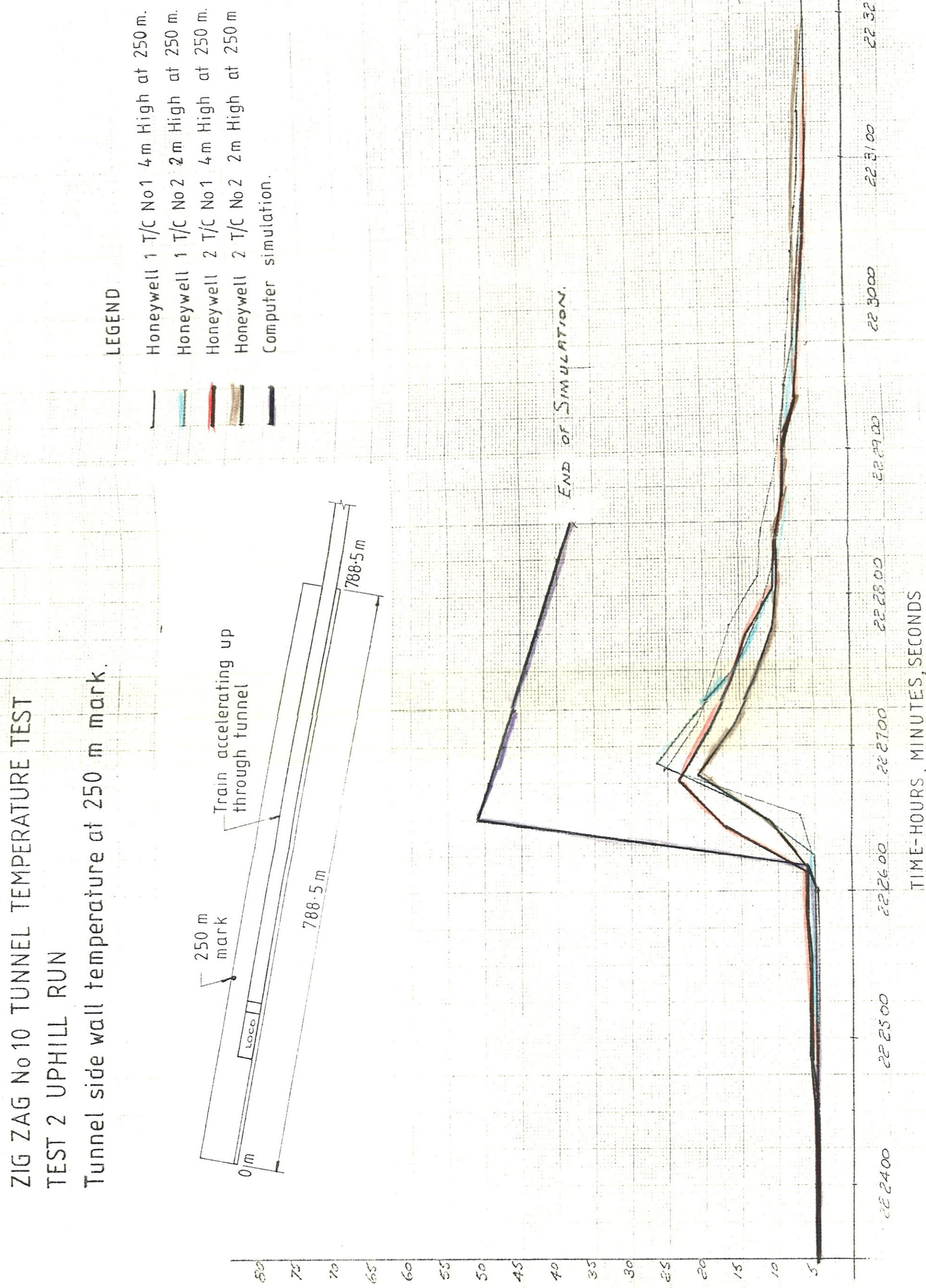
22 24:00

22 23:00

22 22:00

22 21:00

Fig. 4



ZIG-ZAG No 10 TUNNEL TEMPERATURE TEST  
TEST 2-UPHILL RUN. LOCOMOTIVE RADIATOR INLET TEMPERATURES

LEGEND

- Locomotive test point 03
- Locomotive test point 04
- Locomotive test point 05
- Locomotive test point 06
- Locomotive test point 07
- Locomotive test point 08
- Computer simulation

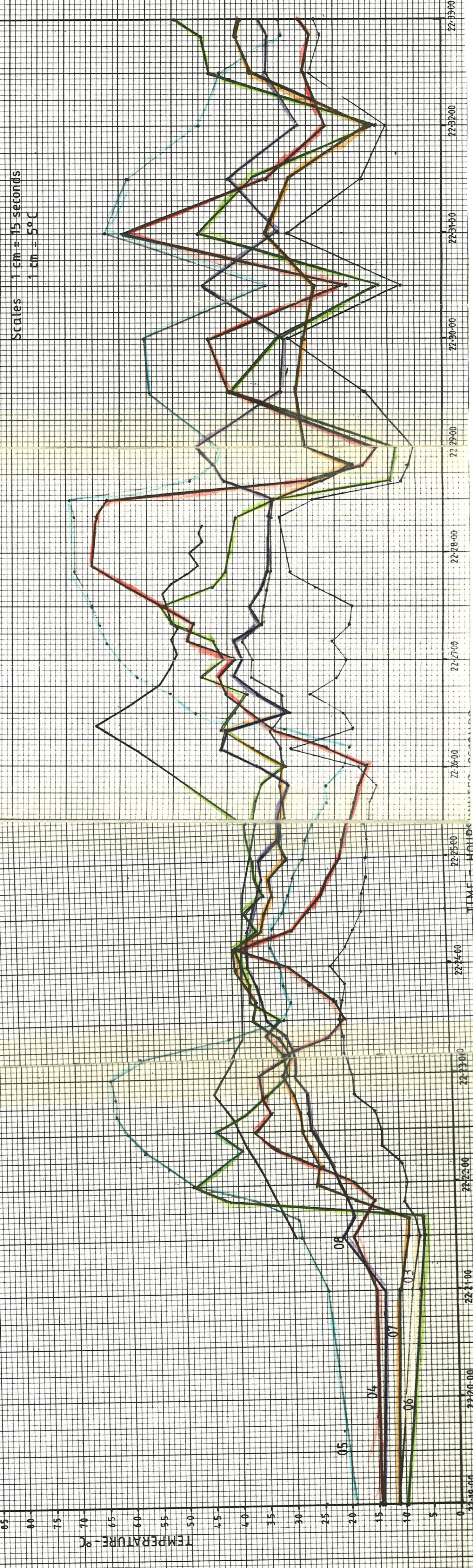


Fig. 5

Fig. 6

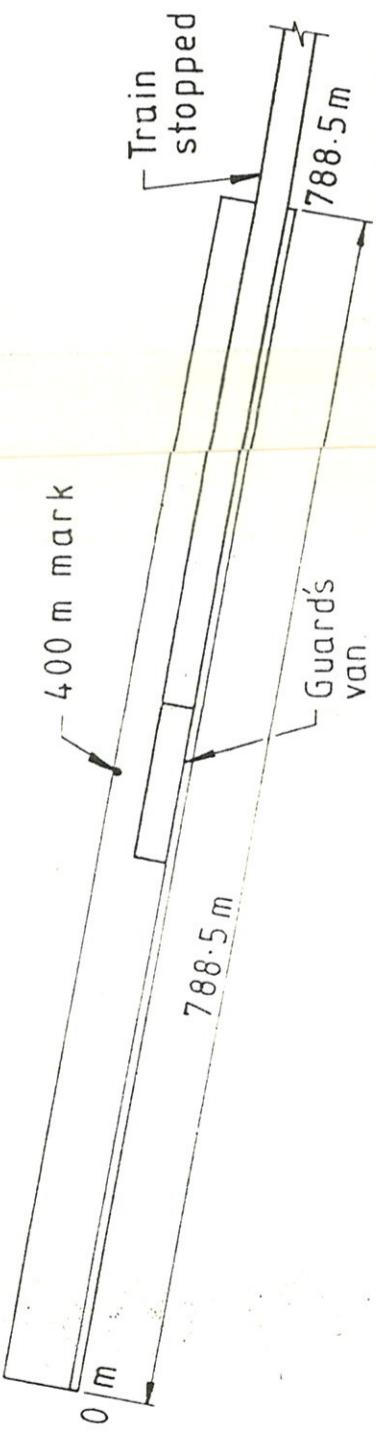
ZIG ZAG No 10 TUNNEL TEMPERATURE TEST.

TEST 1-DOWNHILL RUN

Tunnel side wall temperature at 400 m. mark.

LEGEND

Honeywell 1 T/C No 7 4 High  
Honeywell 1 T/C No 8 2 High  
Honeywell 2 T/C No 7 4 High  
Honeywell 2 T/C No 8 2 High  
Computer simulation



14

13

12

11

10

9

8

7

6

5

4

152600

152800

152900

153000

TIME - HOURS, MINUTES, SECONDS

TEMPERATURE °C

Scales 1 cm = 15 seconds  
1 cm = 5°C

153100