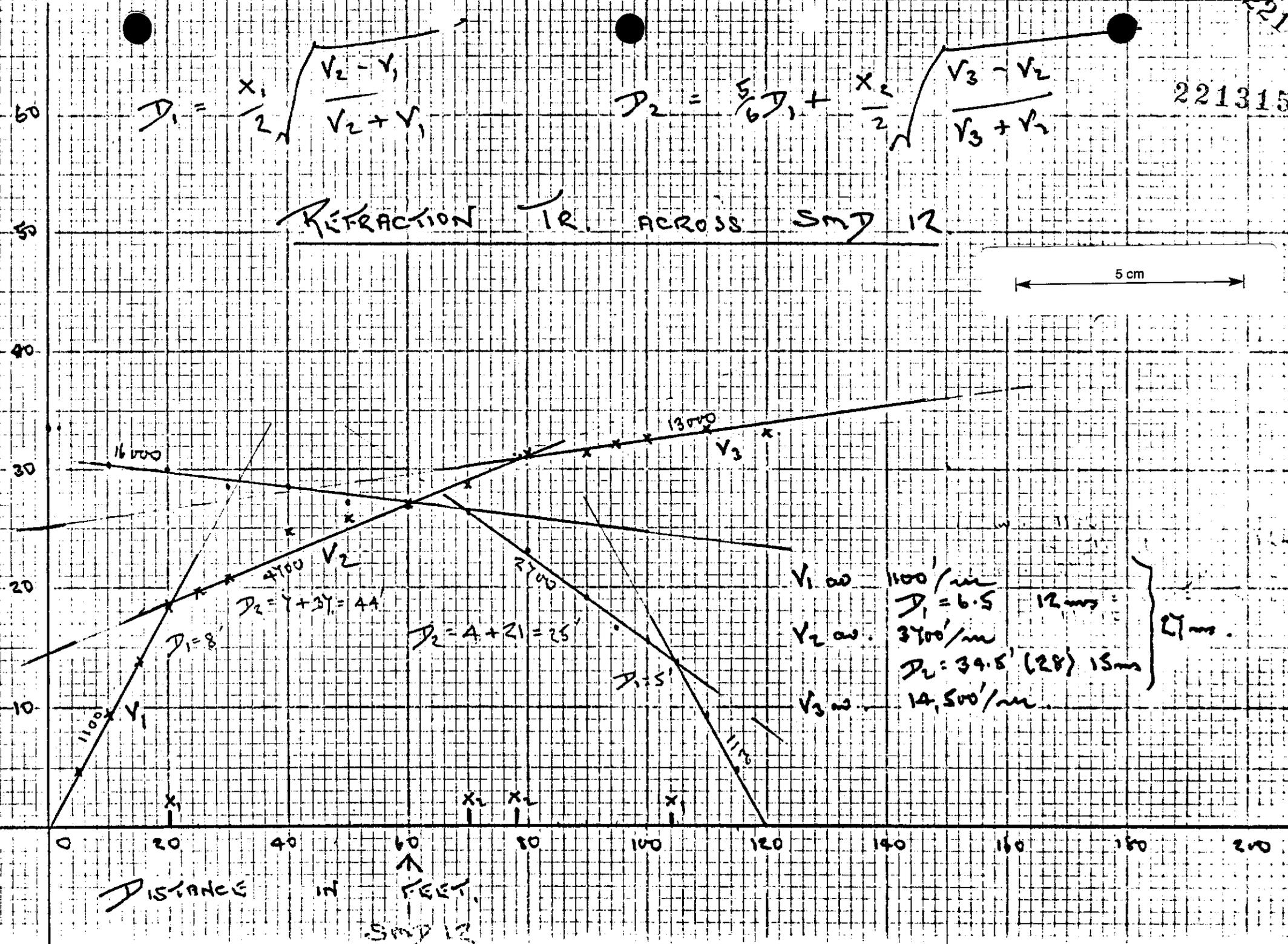
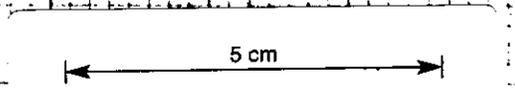


$$D_1 = \frac{x_1}{2} \sqrt{\frac{v_2 - v_1}{v_2 + v_1}}$$

$$D_2 = \frac{5}{6} D_1 + \frac{x_2}{2} \sqrt{\frac{v_3 - v_2}{v_3 + v_2}}$$

REFRACTION TR. ACROSS SAND 12



DISTANCE IN FEET  
SAND 12

$V_1 \approx 1100' / \text{sec}$   
 $D_1 = 6.5$     12ms  
 $V_2 \approx 3700' / \text{sec}$   
 $D_2 = 39.5' (28)$     15ms  
 $V_3 \approx 14,500' / \text{sec}$

16000

13000

4700  $V_2$

$D_2 = 7 + 37 = 44$

$D_2 = 4 + 21 = 25$

$D_1 = 5$

$V_1 \approx$

$V_2 \approx$

$V_3 \approx$

$D_1 = 8$

$x_1$

$x_2$

$x_2$

$x_1$

60

50

40

30

20

10

0

20

40

60

80

100

120

140

160

180

200