At what downstream position are gust speeds = Us + 3u?

Fixt = 50,000 N = PU; 2A Pair = 1.25 kg/m3. U; = 225 m/s ; l = 0.067x from 4.4.15 -> Us = 6.4 d jet condition  $\frac{u^2}{V_s^2} = \frac{1}{2} \frac{l}{x}$ gust speed = Us + 3u. = 6.4 d U; + 3Us /4 = 6.4 d U; + 3. 6.4 U; d . [x = 6.4 d V; (1 + 3 \. 067) = 1.77 (6.4) d Uj

when I for gust speed = 10, x = 250m.