

$T = 293K$



Adiabatic - no work no heat transfer

$H_1 = H_2$

$H_1$

1833m 13:32  
 1829m 15:05  
 — 4m in 28 / 93 minutes

At 14:16 → 16 + 28 = 44 minutes  
 So 1874m →  $\frac{44}{93} \times 4 + 1874$  @ 13:32 = 1875.89  
 At 14:33 → 33 + 28 = 61 minutes  
 So 1871m →  $\frac{61}{93} \times 4 + 1871$  @ 13:32 = 1873.62

1829m @ 15:05 →  $\frac{93}{93} \times 4 + 1829$  @ 13:32 = 1833 ✓

In Area  
 Turntable P 258 B 45m 1909m  
 Balcony P 264 48m 1912.8m  
 P 231 E 0m 1864m

REL  
 40.63  
 42.8m 1875.89  
 40.54m 1873.62 + 0.08 1873.4  
 38.28m 1833m + 2.26 1835.26  
 0m 1833m

REL Mark's Alt @ 13:32

REL  
 Mark's GPS  
 38.74 1872  
 43.66 1868 - 0.08 = 1867.92  
 0 1831 + 2.26 = 1833.26

$pV = nRT$   
 $m = \frac{1 \times 10^5 \times 0.001}{287 \times 293}$