0.15% C\textsubscript{3}H\textsubscript{6}, 0.68% O\textsubscript{2} in N\textsubscript{2}, Φ = 1.00, p = 1.0 atm, T = 1200 K

- C\textsubscript{2}H\textsubscript{2} (solid line)
- Aramco Mech 1.3 (dashed line)
- Aramco Mech 2.0 (solid line)

Mole Fraction vs. Residence Time / s

0.15% C\textsubscript{3}H\textsubscript{6}, 0.68% O\textsubscript{2} in N\textsubscript{2}, Φ = 1.00, p = 1.0 atm, T = 1200 K

- C\textsubscript{2}H\textsubscript{4} (solid line)
- Aramco Mech 1.3 (dashed line)
- Aramco Mech 2.0 (solid line)

Mole Fraction vs. Residence Time / s
0.15% C₃H₆, 0.68% O₂ in N₂, Φ = 1.00, p = 1.0 atm, T = 1200 K

0.15% C₃H₆, 0.68% O₂ in N₂, Φ = 1.00, p = 1.0 atm, T = 1200 K
0.15% C₃H₆, 0.68% O₂ in N₂, Φ = 1.00, p = 1.0 atm, T = 1200 K

0.15% C₃H₆, 0.68% O₂ in N₂, Φ = 1.00, p = 1.0 atm, T = 1200 K
0.15% C₃H₆, 0.68% O₂ in N₂, Φ = 1.00, p = 1.0 atm, T = 1200 K

0.15% C₃H₆, 1.35% O₂ in N₂, Φ = 0.50, p = 5.0 atm, T = 1050 K
0.15% C\textsubscript{3}H\textsubscript{6}, 1.35% O\textsubscript{2} in N\textsubscript{2}, Φ = 0.50, p = 5.0 atm, T = 1050 K

![Graph 1](image1)

0.15% C\textsubscript{3}H\textsubscript{6}, 1.35% O\textsubscript{2} in N\textsubscript{2}, Φ = 0.50, p = 5.0 atm, T = 1050 K

![Graph 2](image2)
0.15% C₃H₆, 1.35% O₂ in N₂, Φ = 0.50, p = 5.0 atm, T = 1050 K

Mole Fraction vs. Residence Time / s

CH₃CHO - 3.0E-005 to 0.0E+000
C₃H₆ - 1.6E-003 to 0.0E+000
Aramco Mech 1.3 - dashed line
Aramco Mech 2.0 - solid line
0.15% C$_3$H$_6$, 1.35% O$_2$ in N$_2$, $\Phi = 0.50$, $p = 5.0$ atm, $T = 1050$ K

0.15% C$_3$H$_6$, 1.35% O$_2$ in N$_2$, $\Phi = 0.50$, $p = 5.0$ atm, $T = 1050$ K
0.15% C\textsubscript{3}H\textsubscript{6}, 1.35% O\textsubscript{2} in N\textsubscript{2}, Φ = 0.50, p = 5.0 atm, T = 1050 K