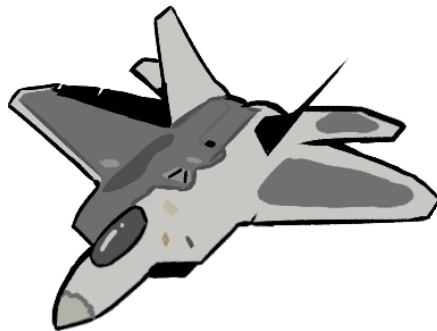


Texas A&M University

# Detached Shock Data for Elliptical Airfoils



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Tayab

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# 1 Height 0.005

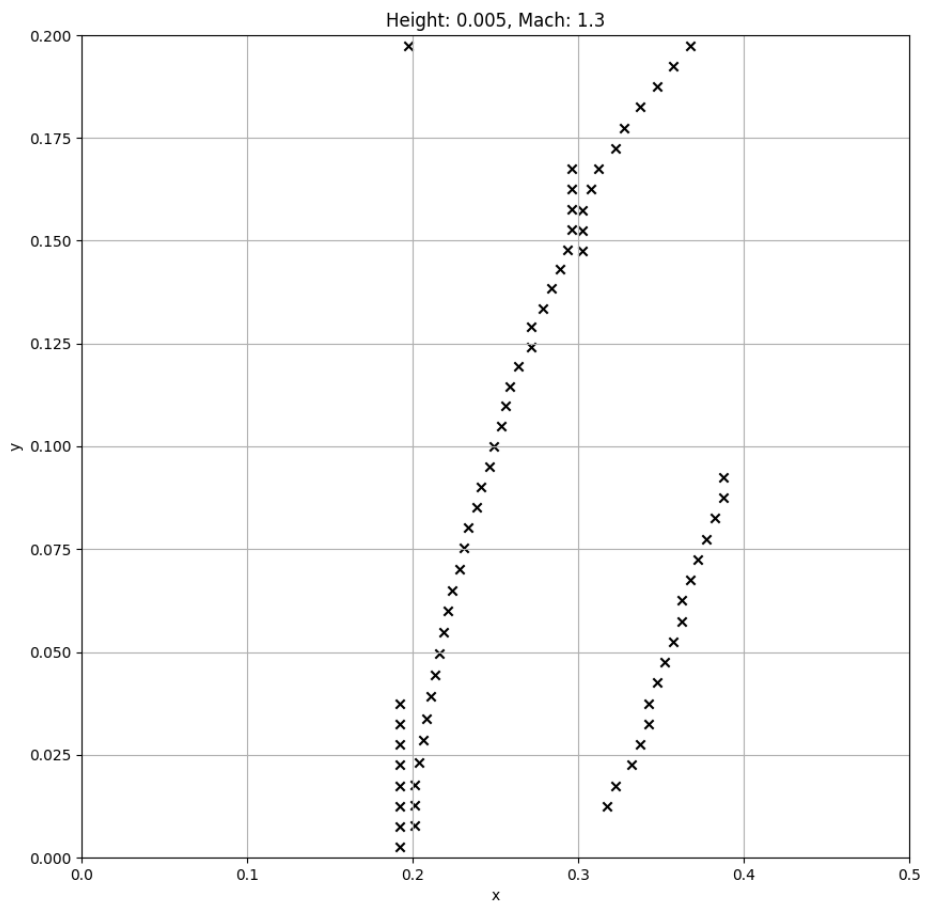


Figure 1: Mach 1.3

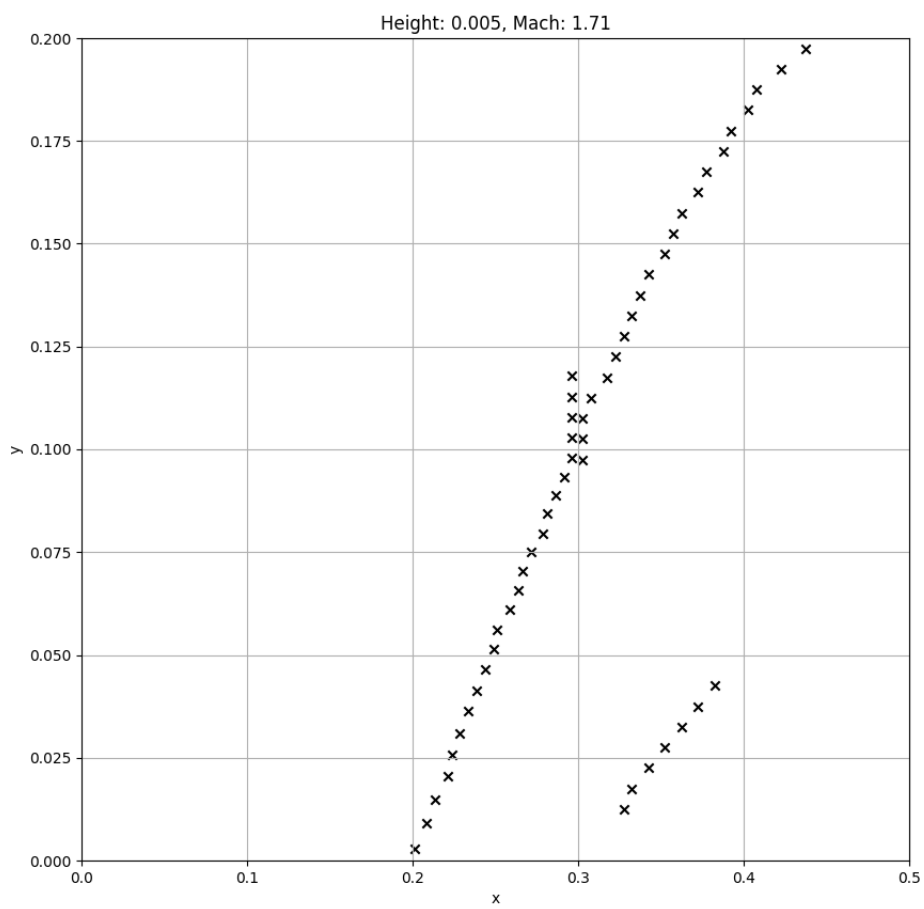


Figure 2: Mach 1.71

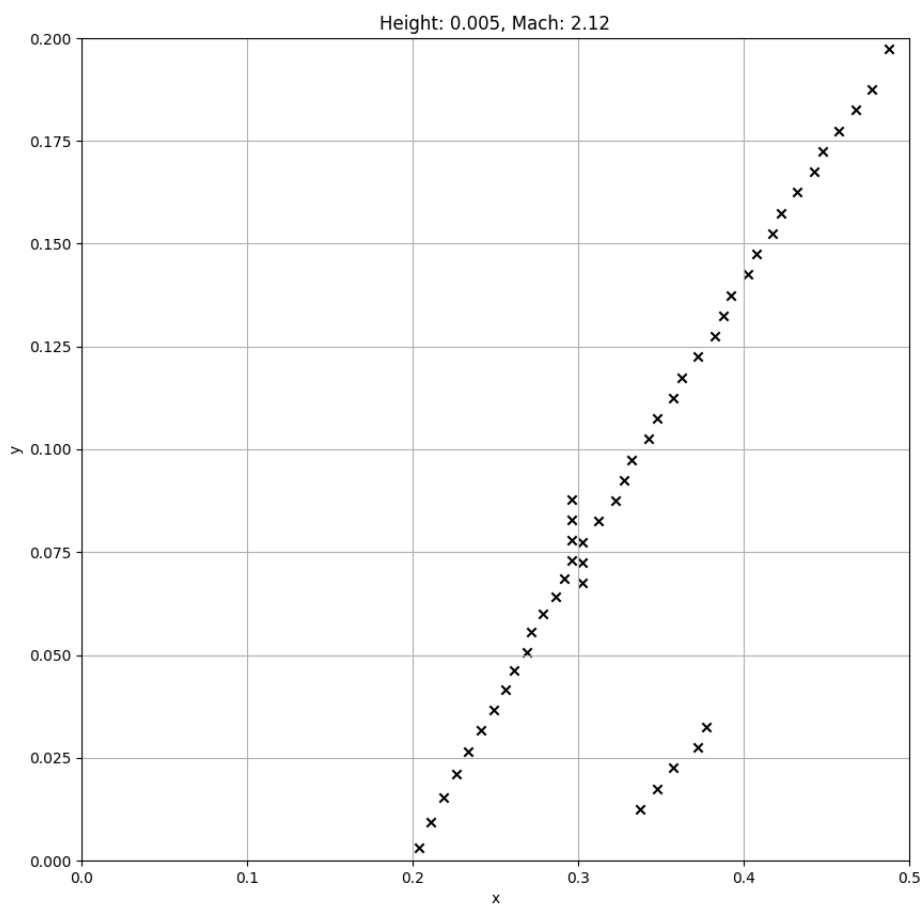


Figure 3: Mach 2.12

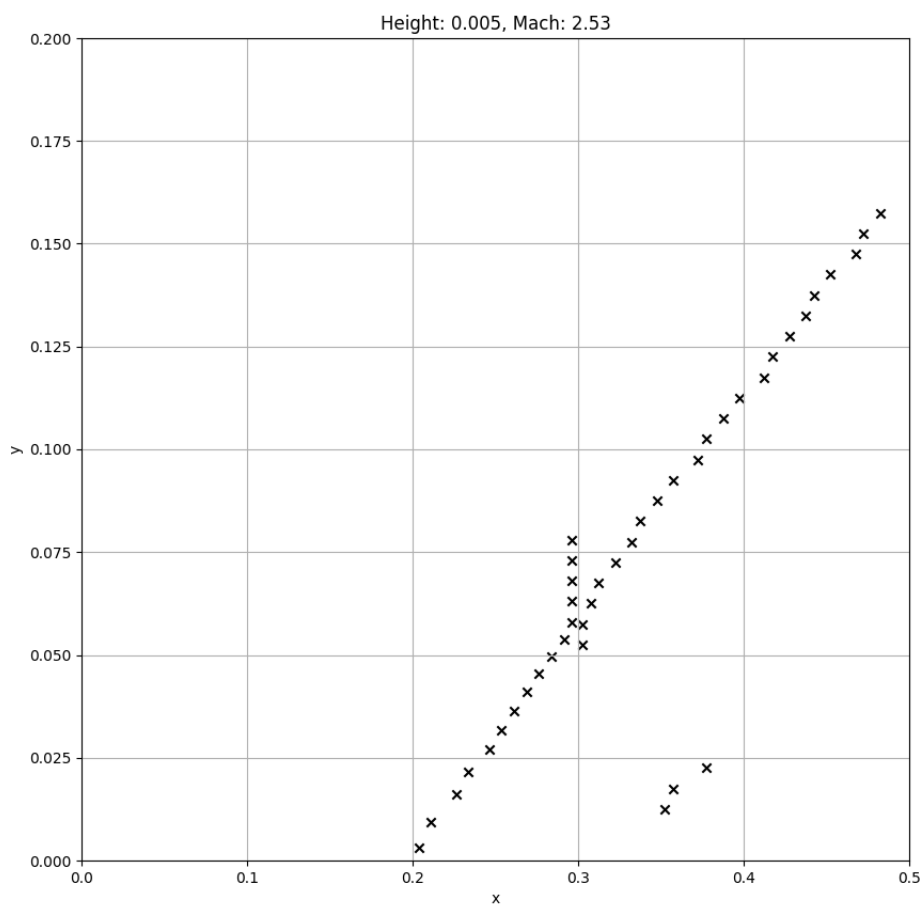


Figure 4: Mach 2.53

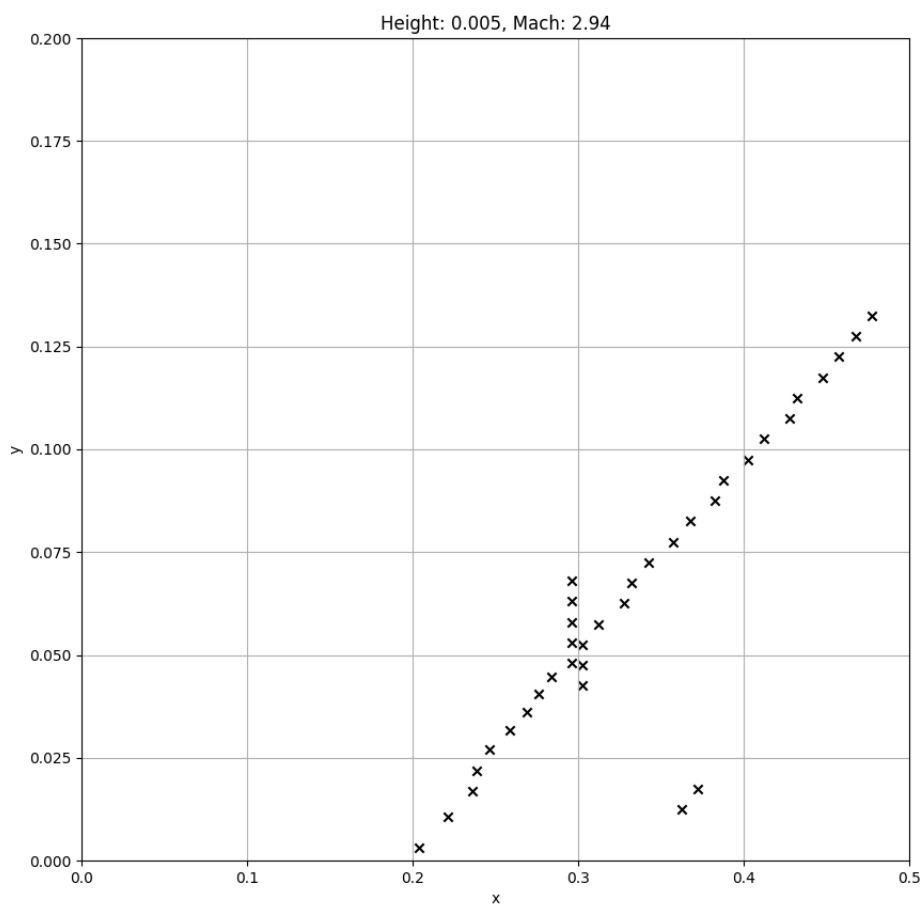


Figure 5: Mach 2.94

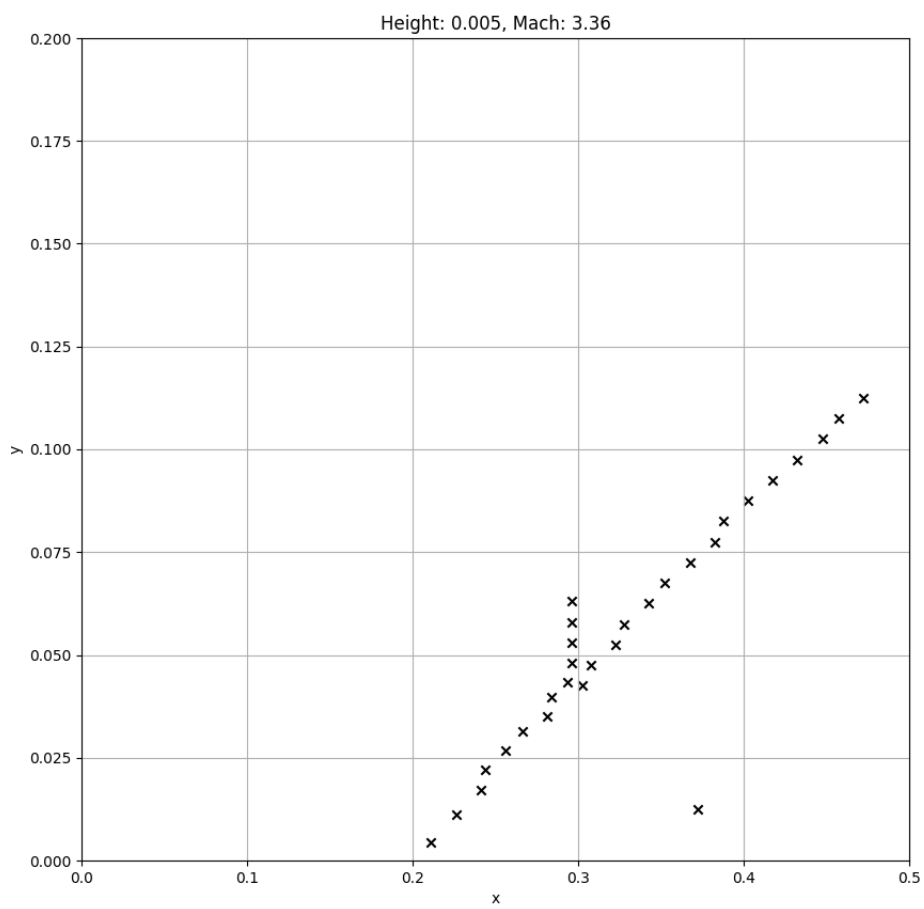


Figure 6: Mach 3.36



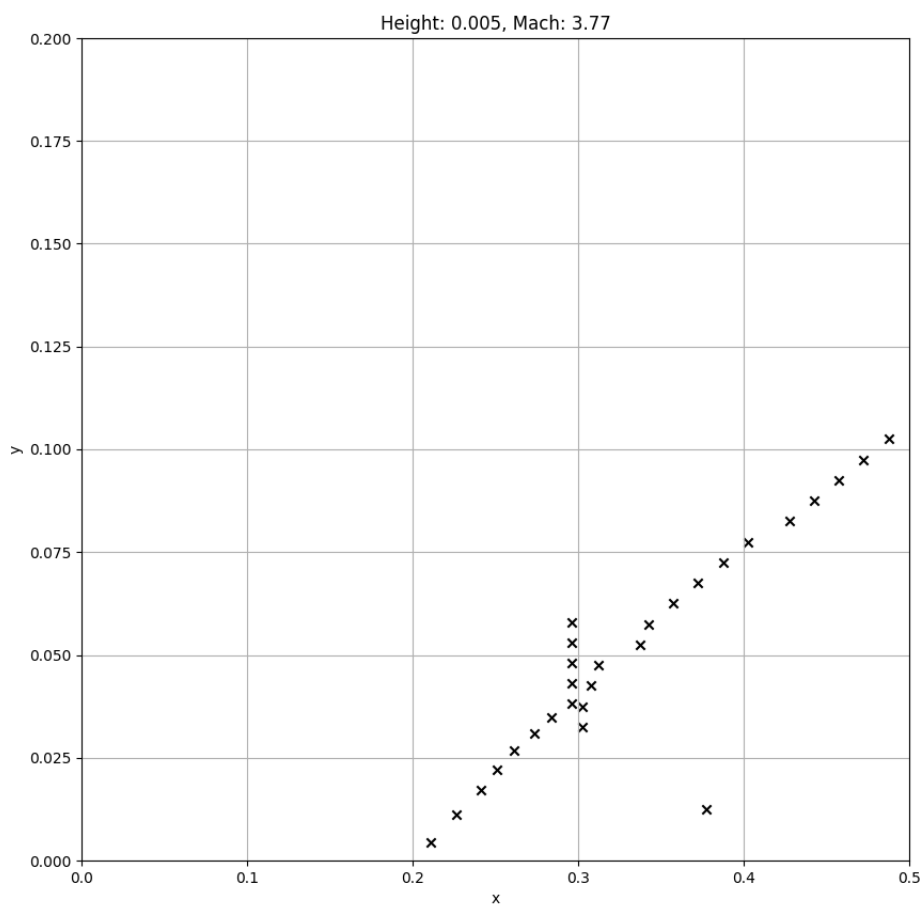


Figure 7: Mach 3.77

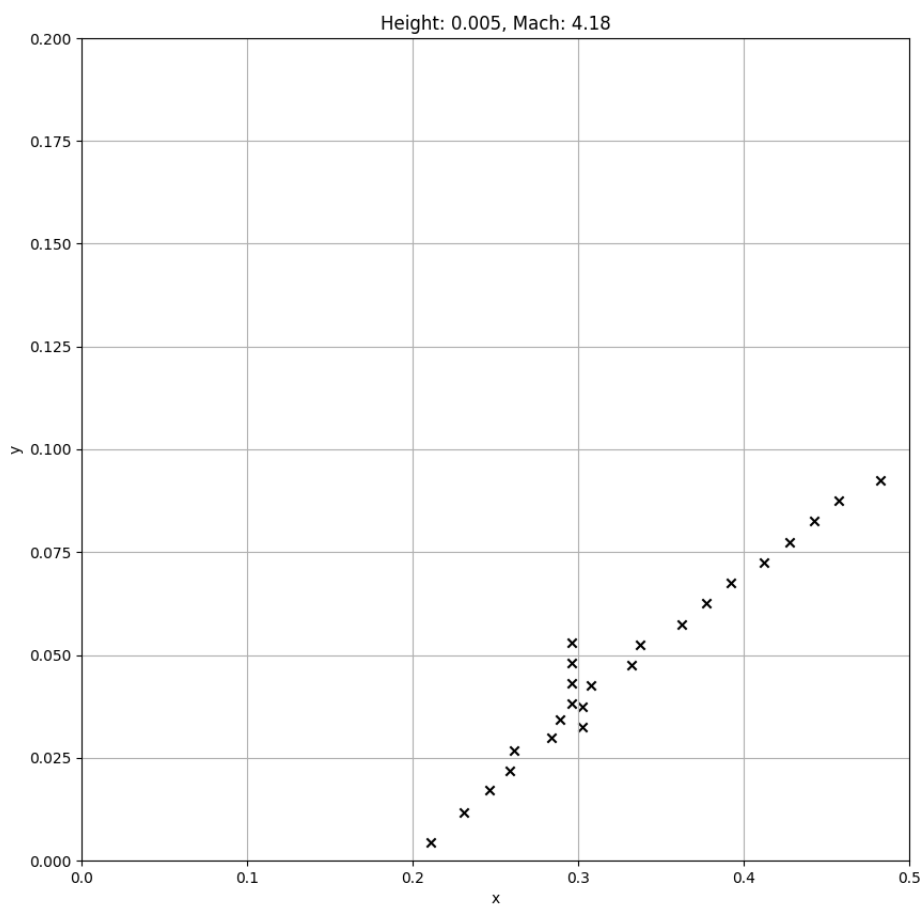


Figure 8: Mach 4.18

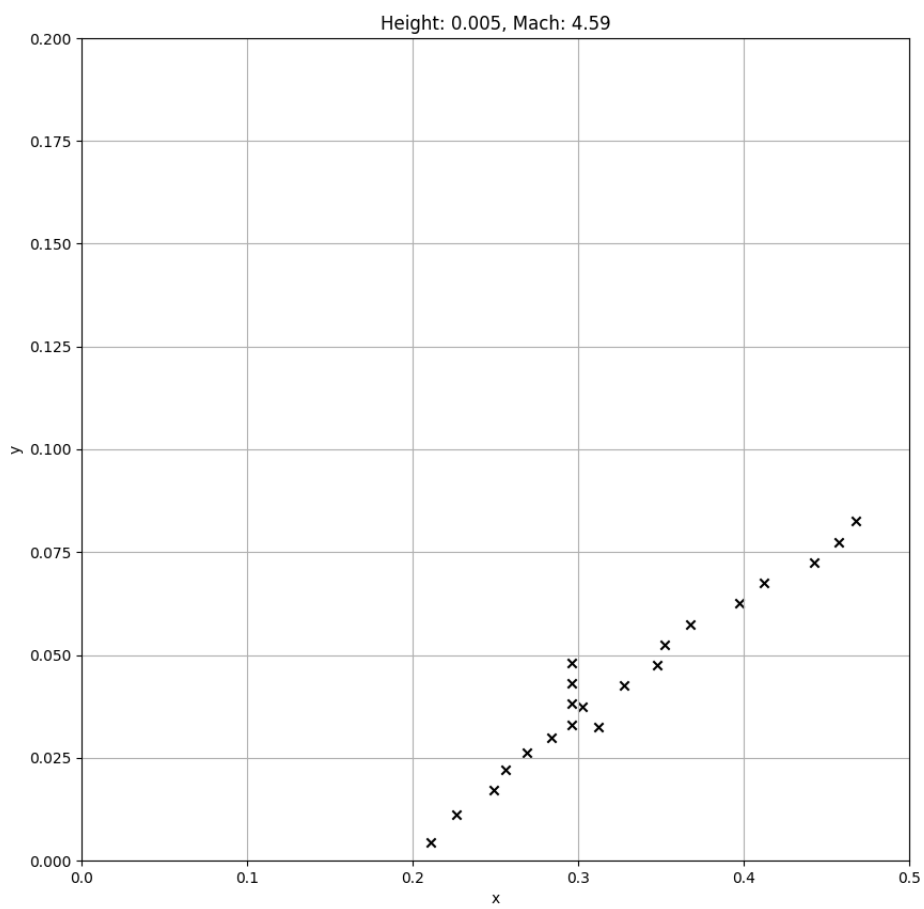


Figure 9: Mach 4.59

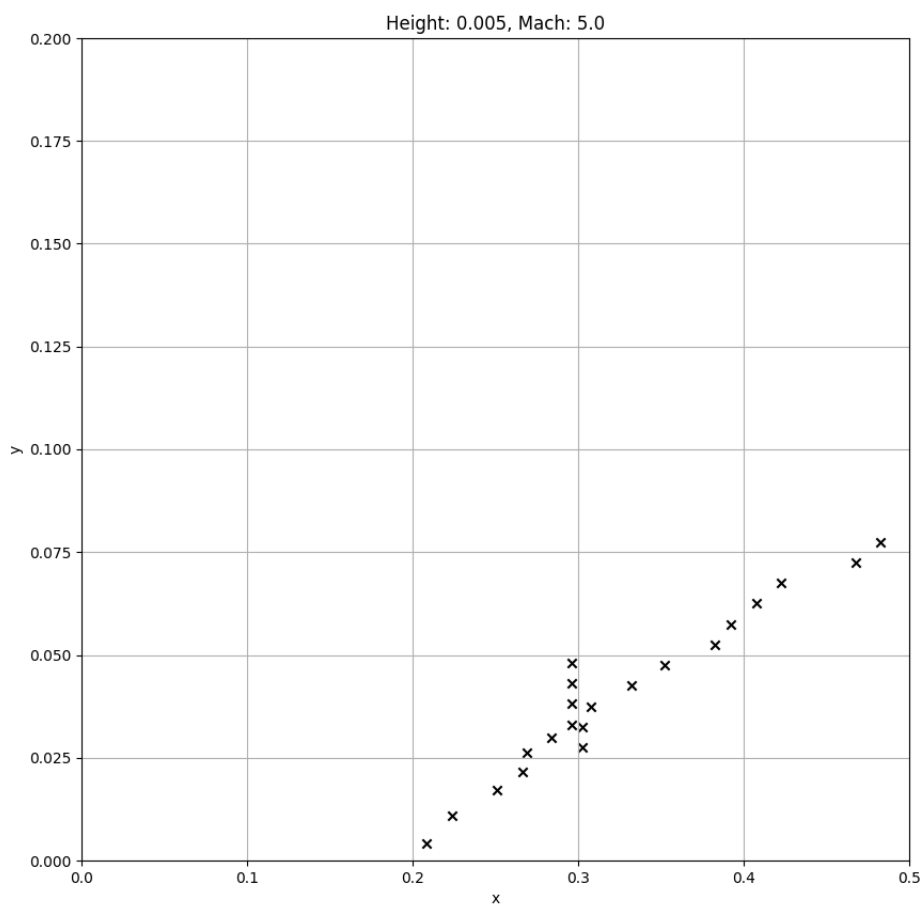


Figure 10: Mach 5.0

## 2 Height 0.0056

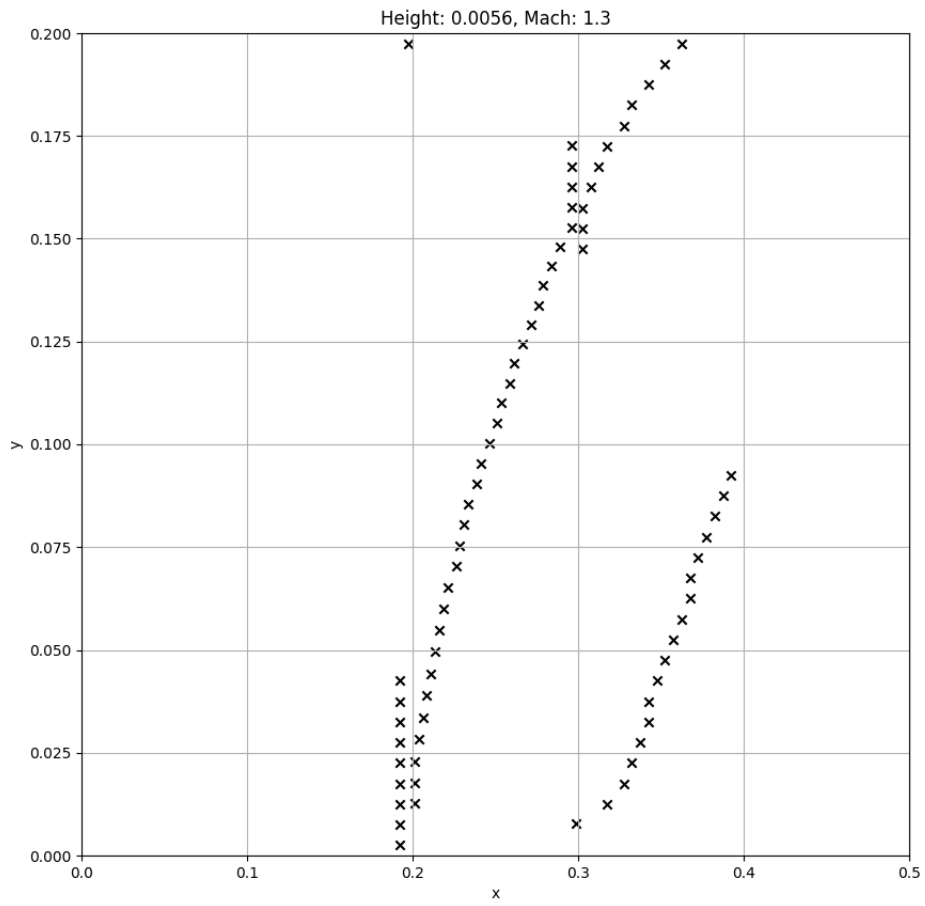


Figure 11: Mach 1.3

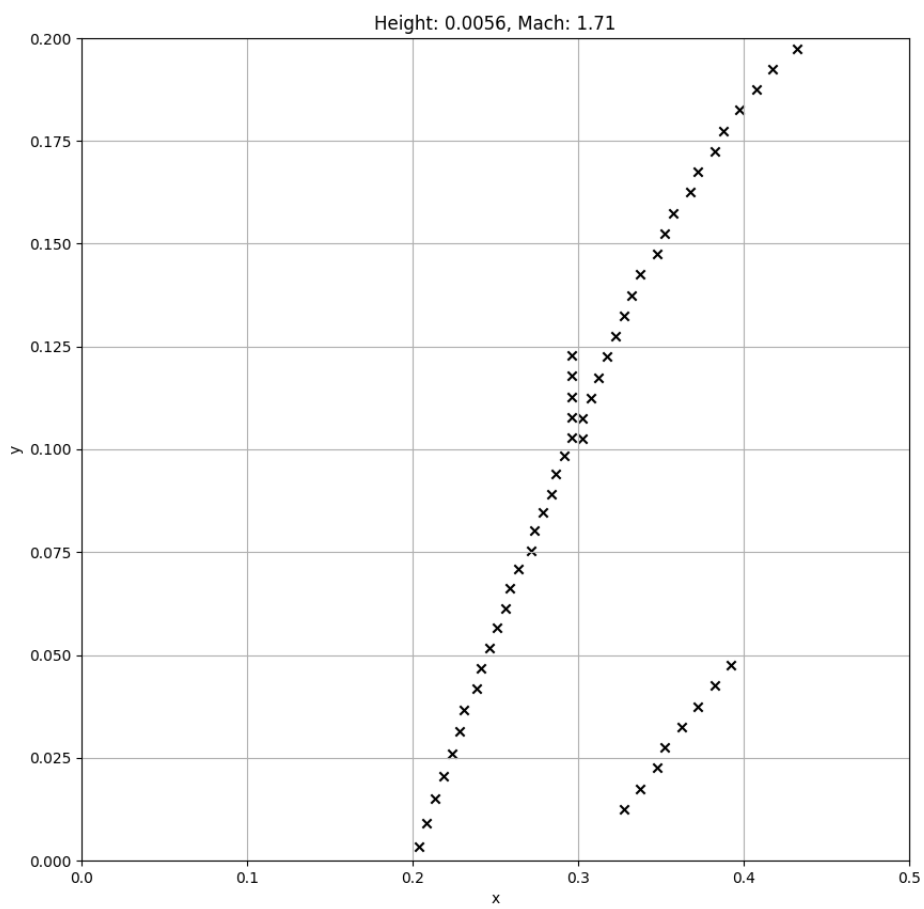


Figure 12: Mach 1.71

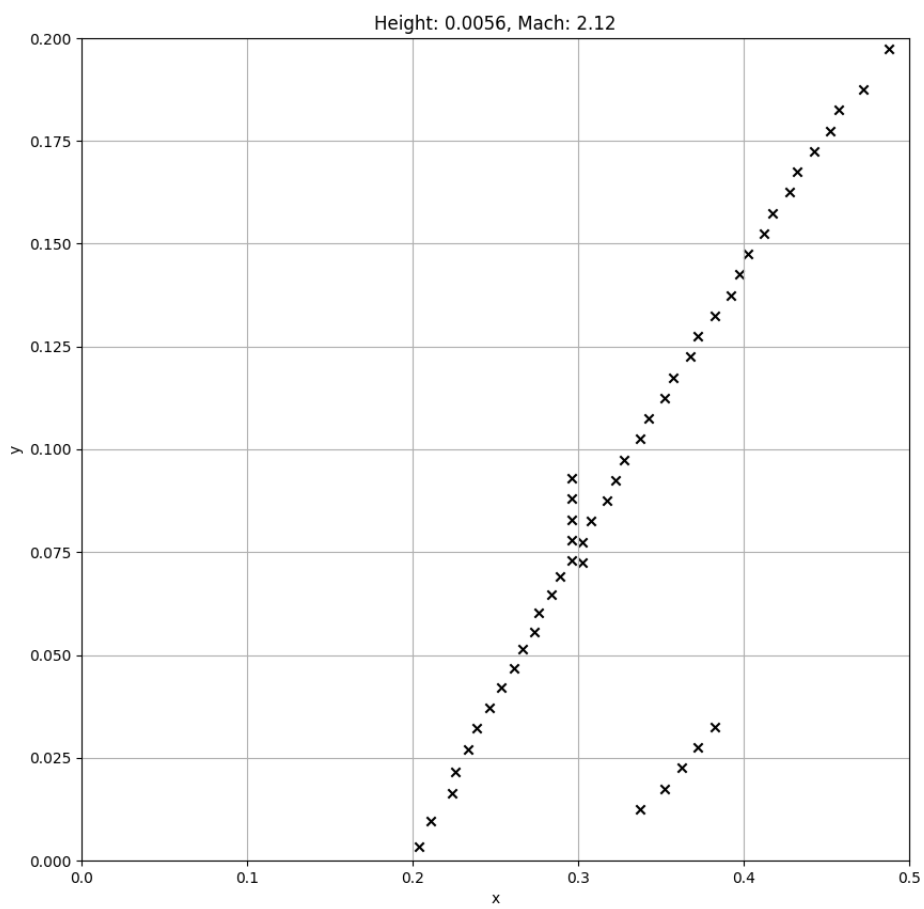


Figure 13: Mach 2.12

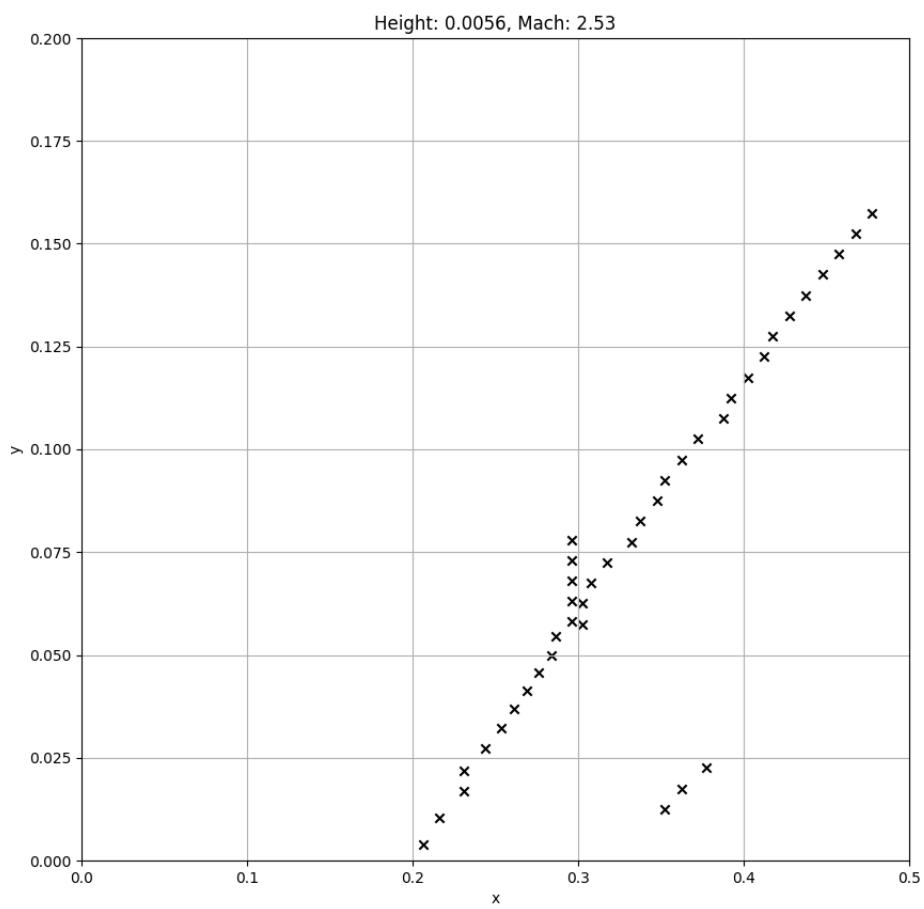


Figure 14: Mach 2.53



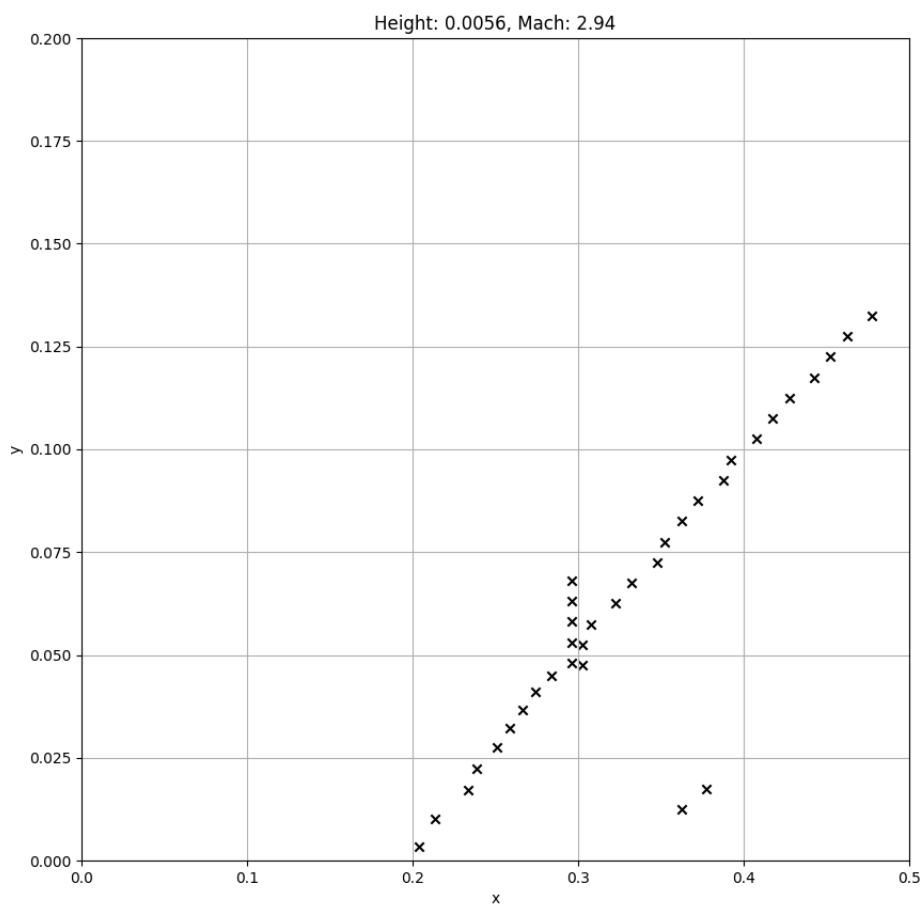


Figure 15: Mach 2.94

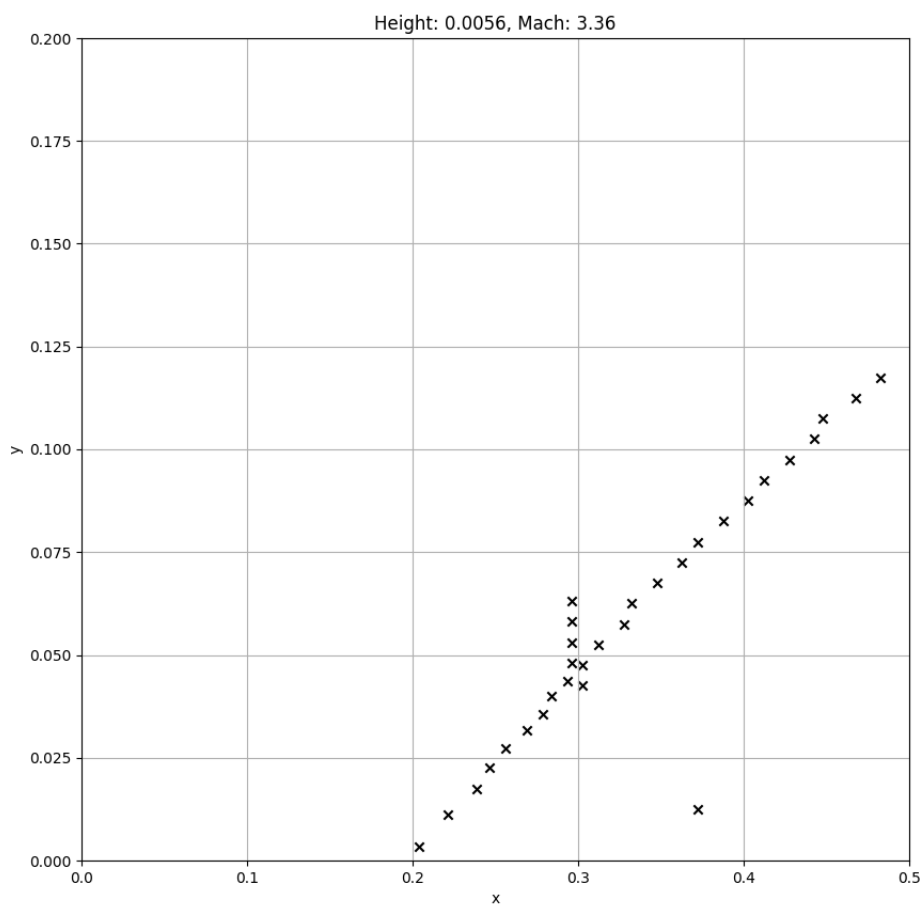


Figure 16: Mach 3.36

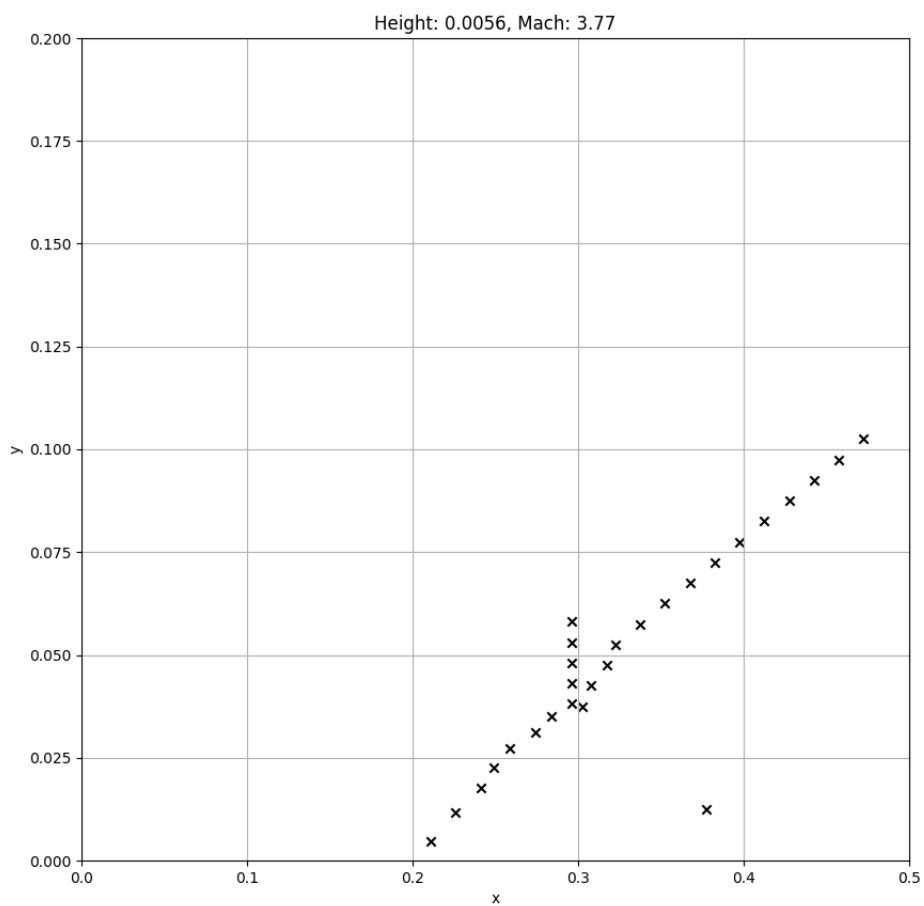


Figure 17: Mach 3.77

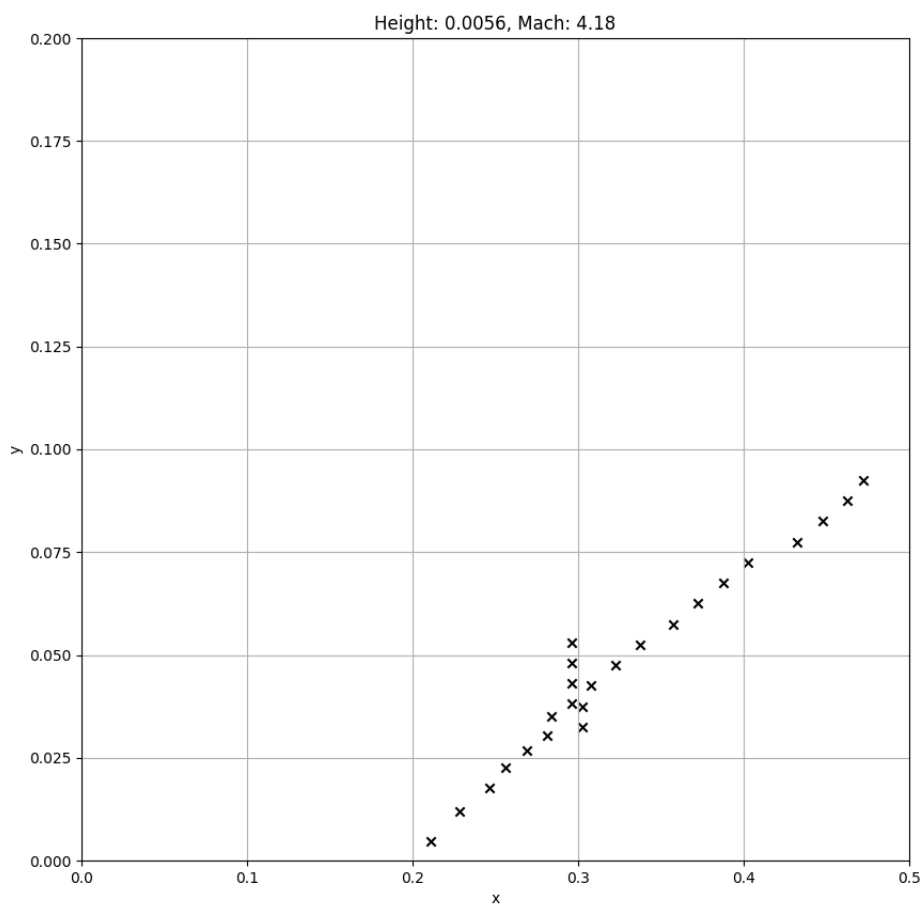


Figure 18: Mach 4.18

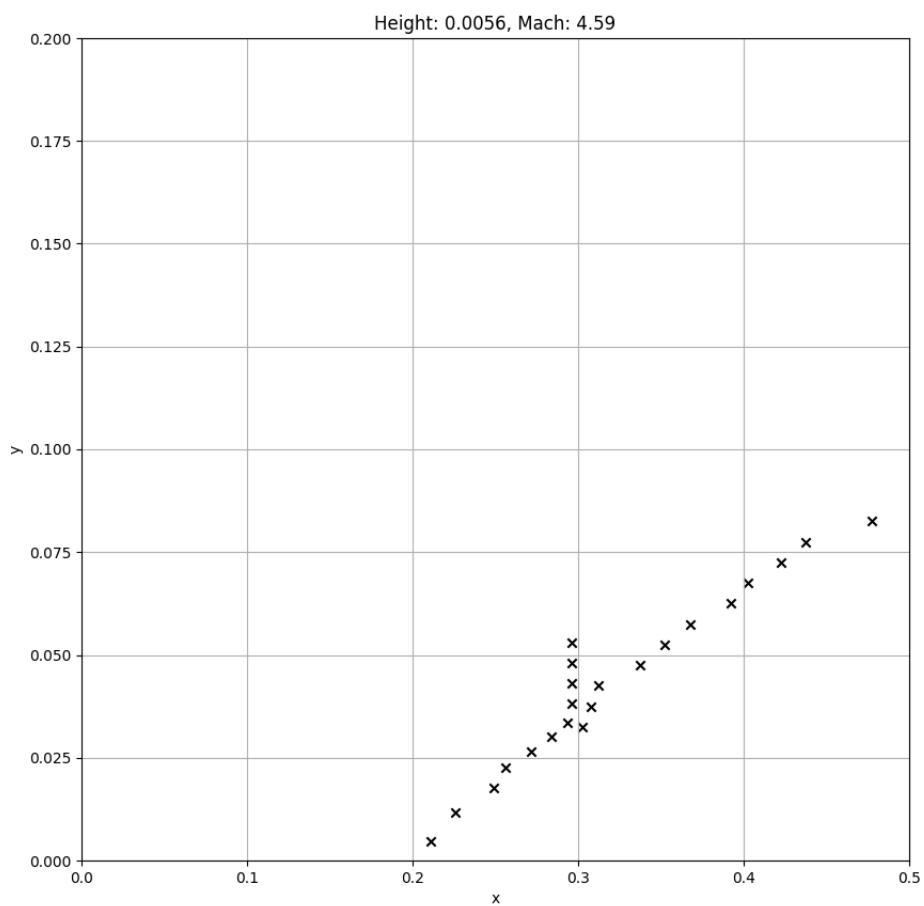


Figure 19: Mach 4.59

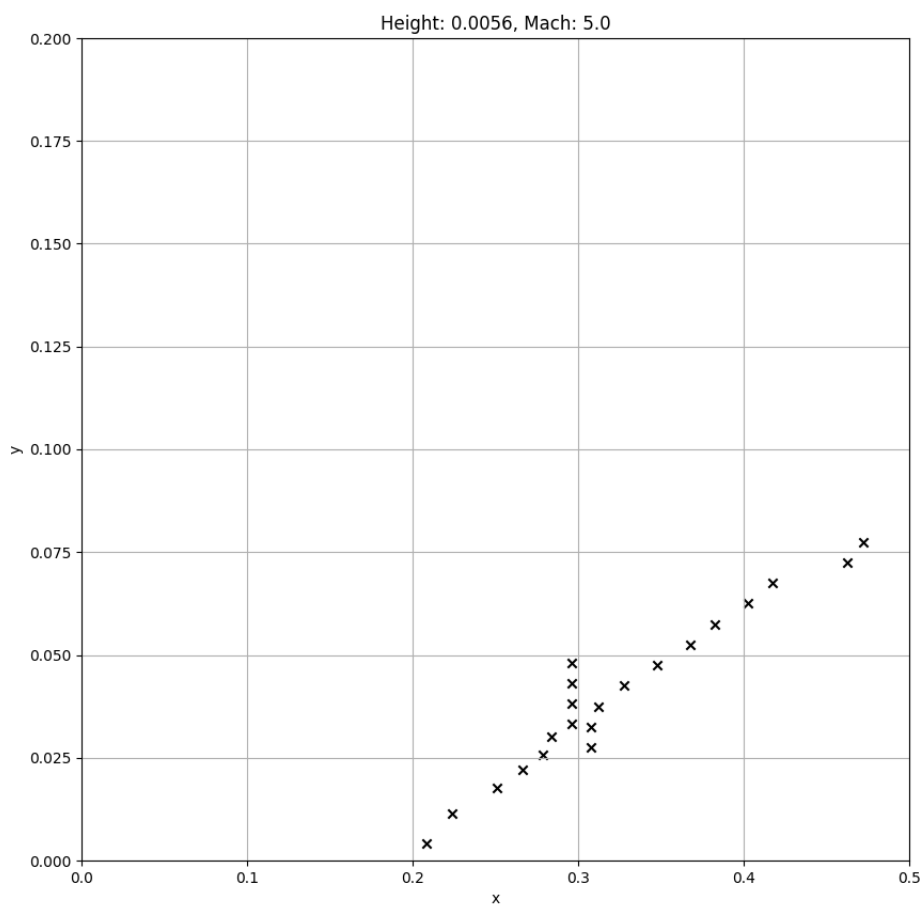


Figure 20: Mach 5.0

### 3 Height 0.0061

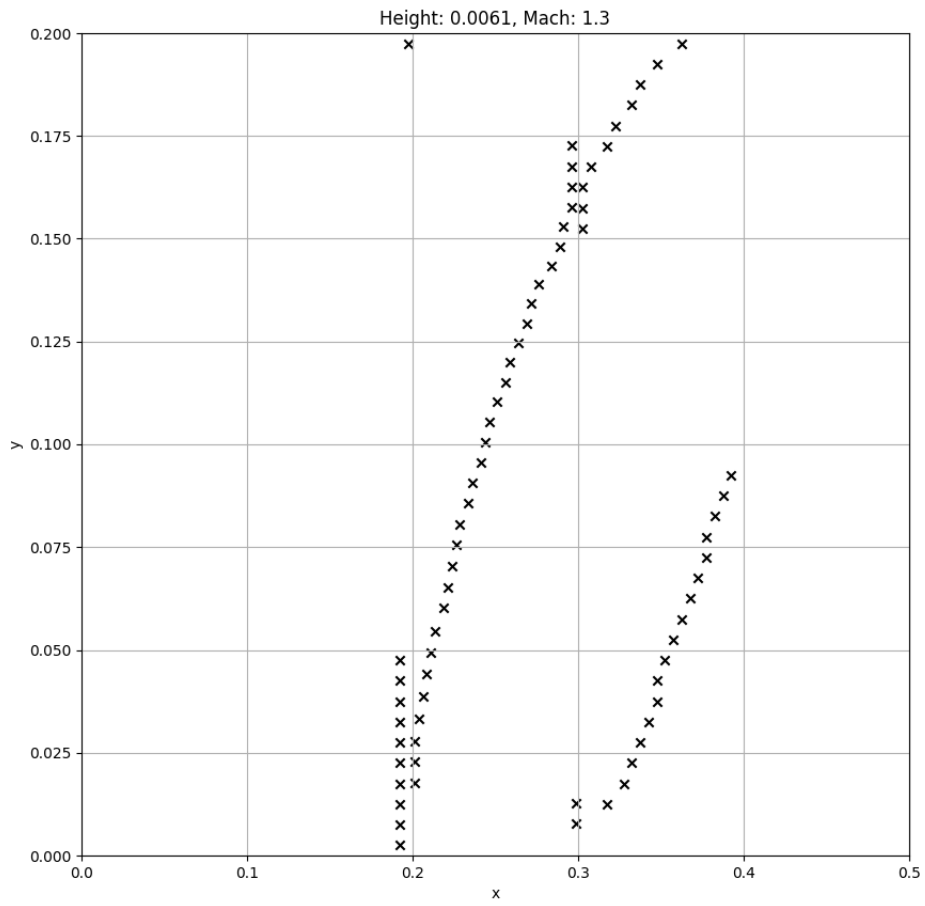


Figure 21: Mach 1.3

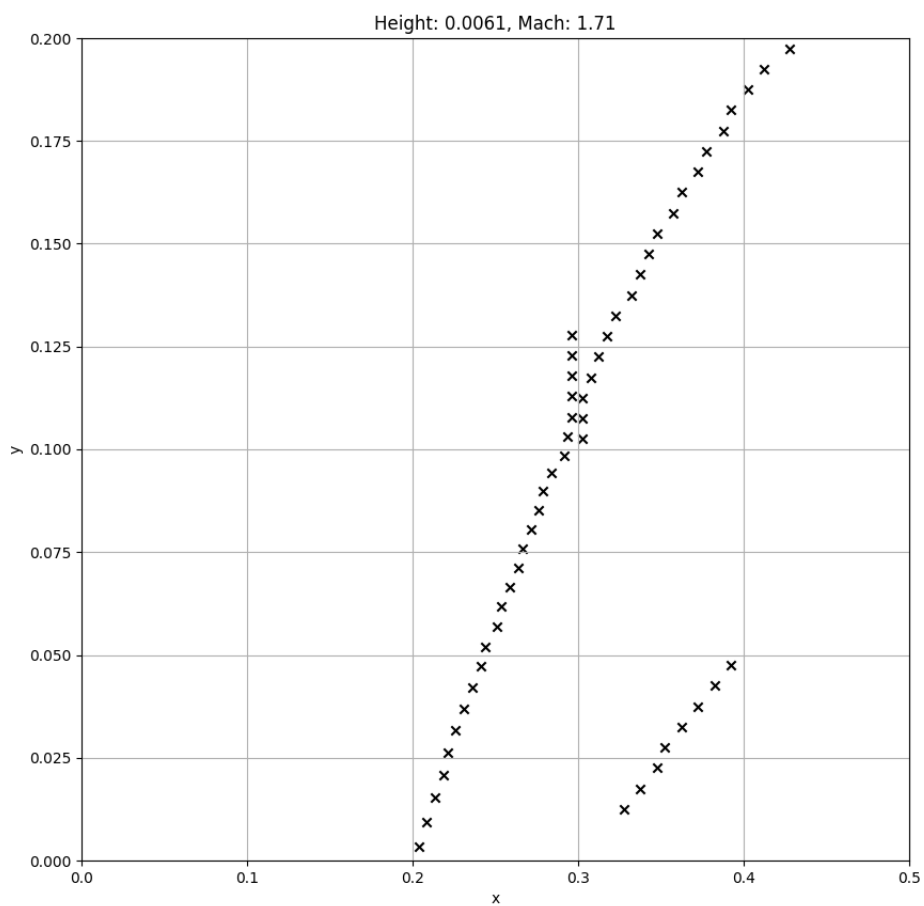


Figure 22: Mach 1.71



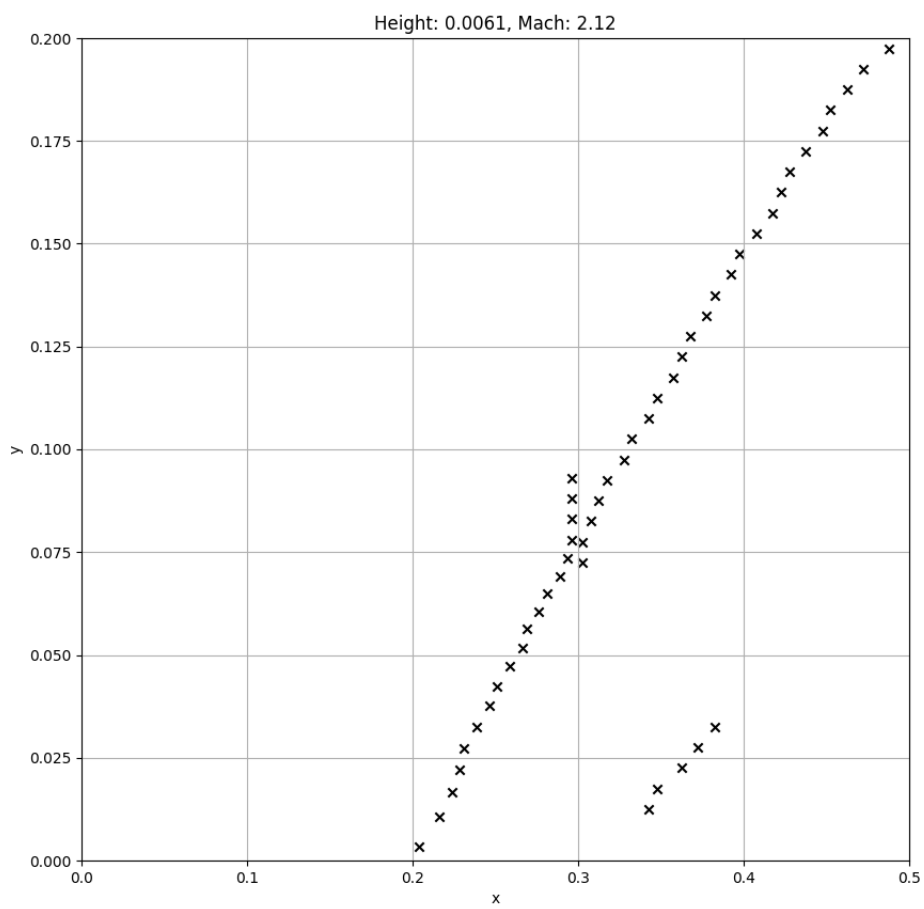


Figure 23: Mach 2.12

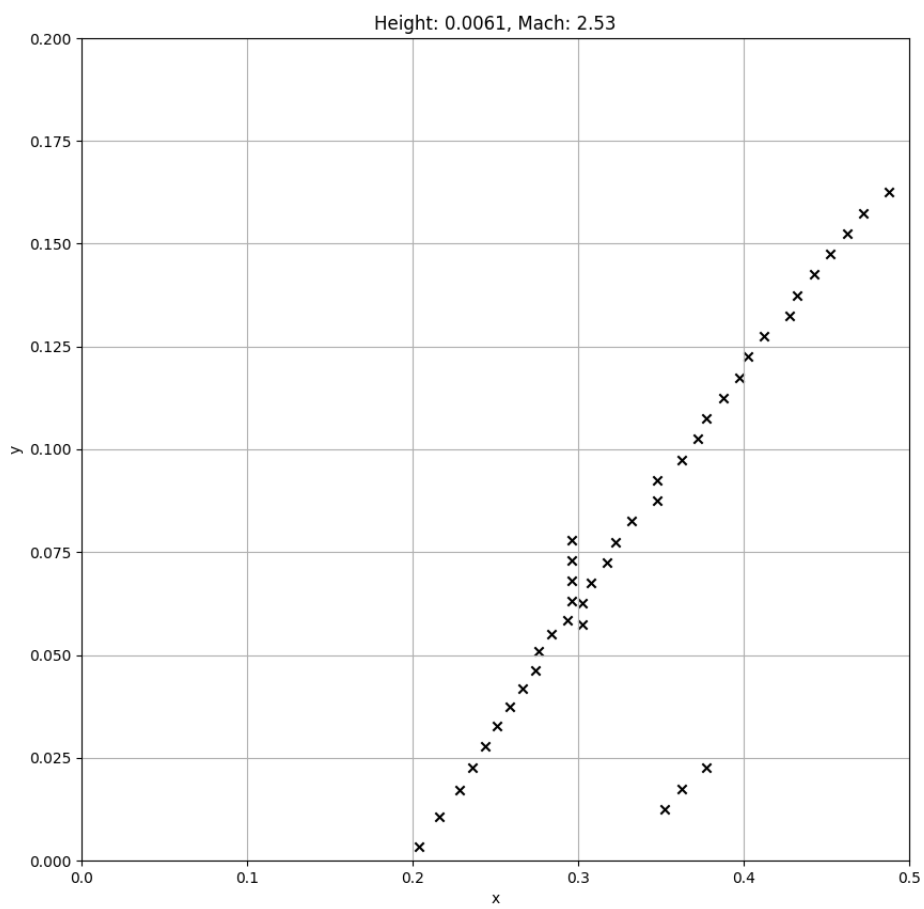


Figure 24: Mach 2.53

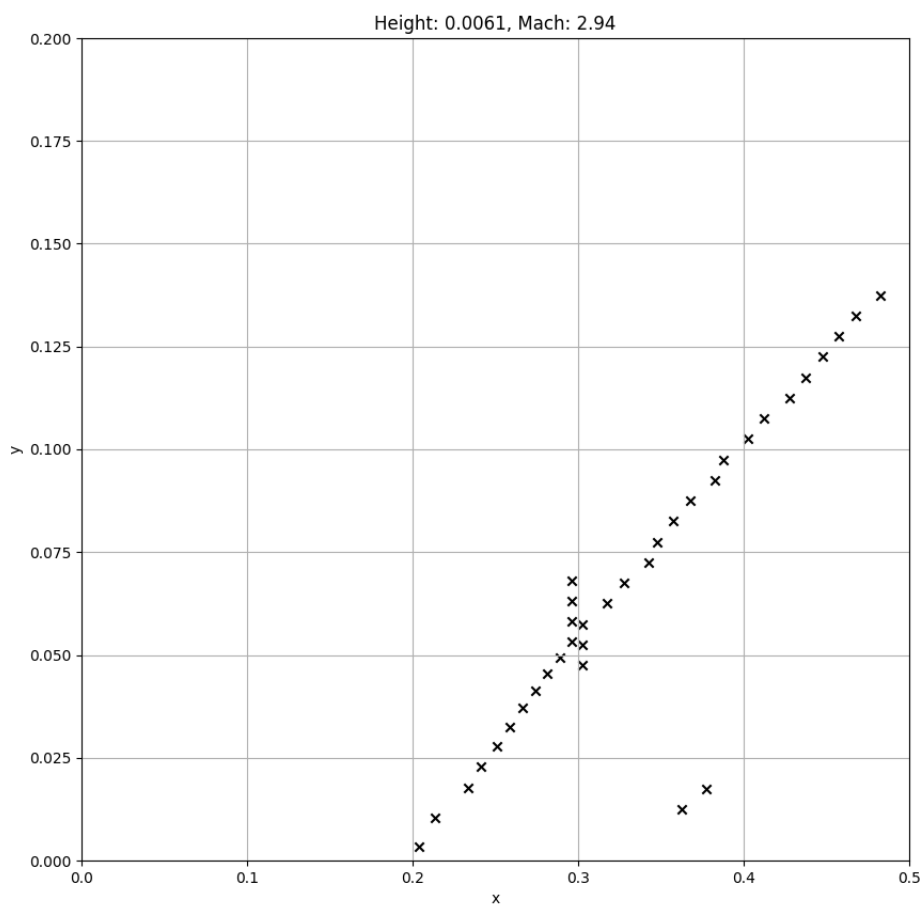


Figure 25: Mach 2.94

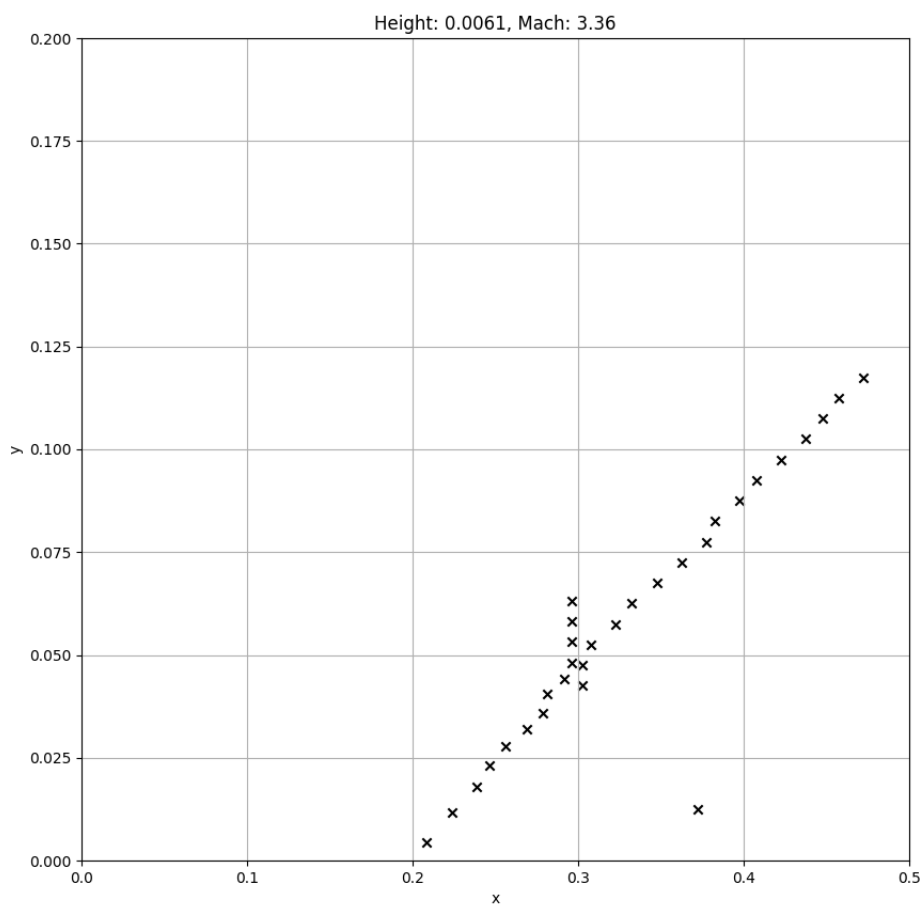


Figure 26: Mach 3.36

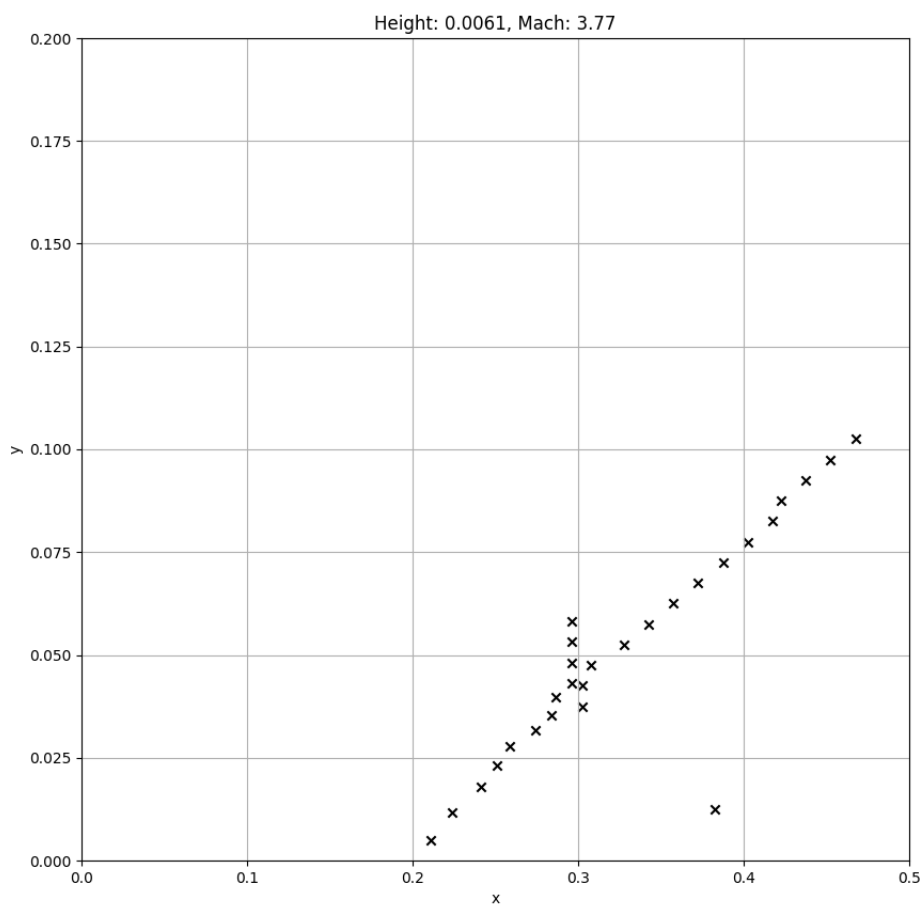


Figure 27: Mach 3.77

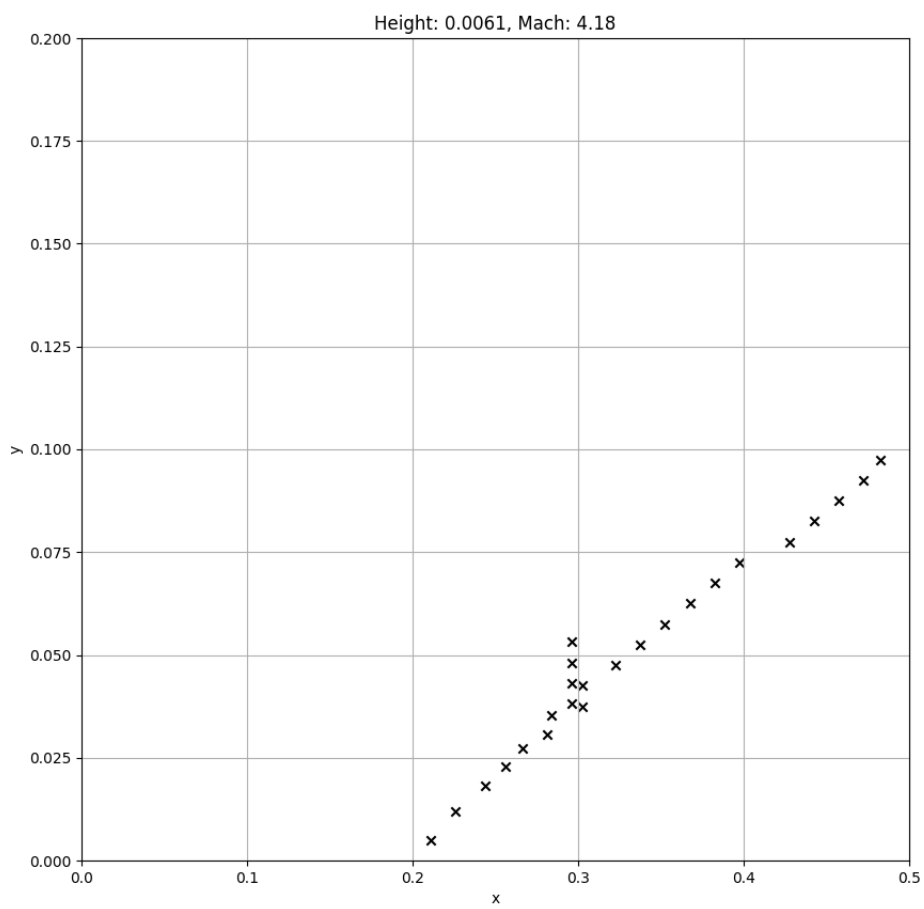


Figure 28: Mach 4.18

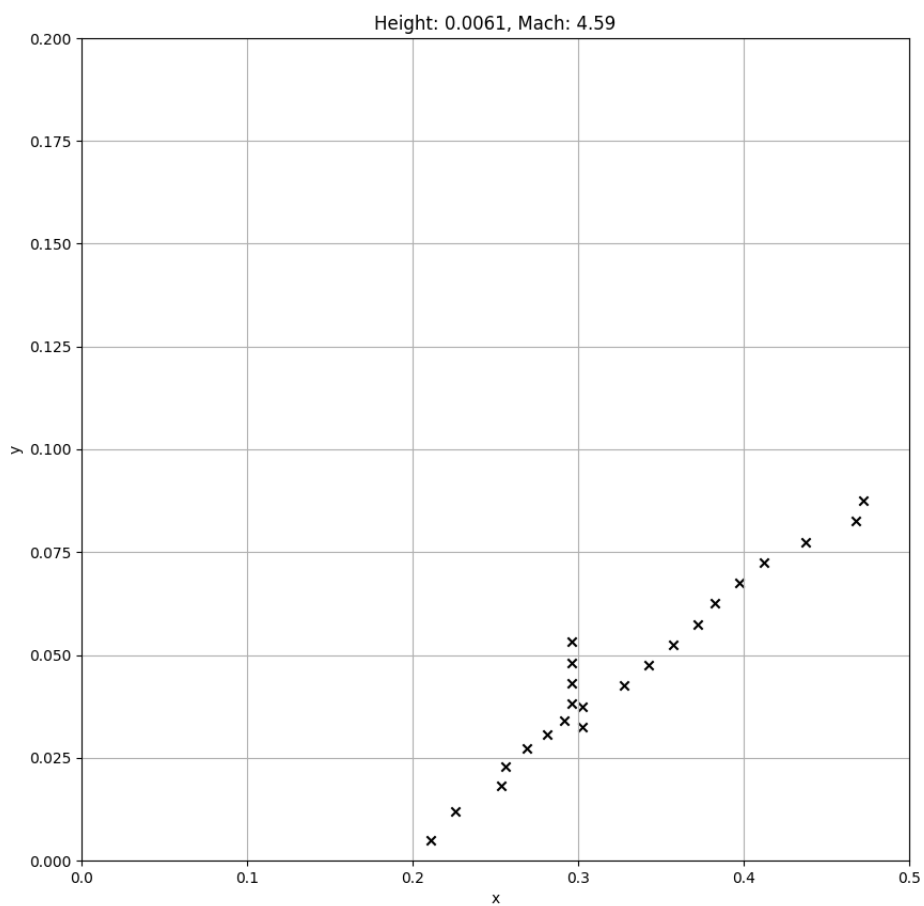


Figure 29: Mach 4.59

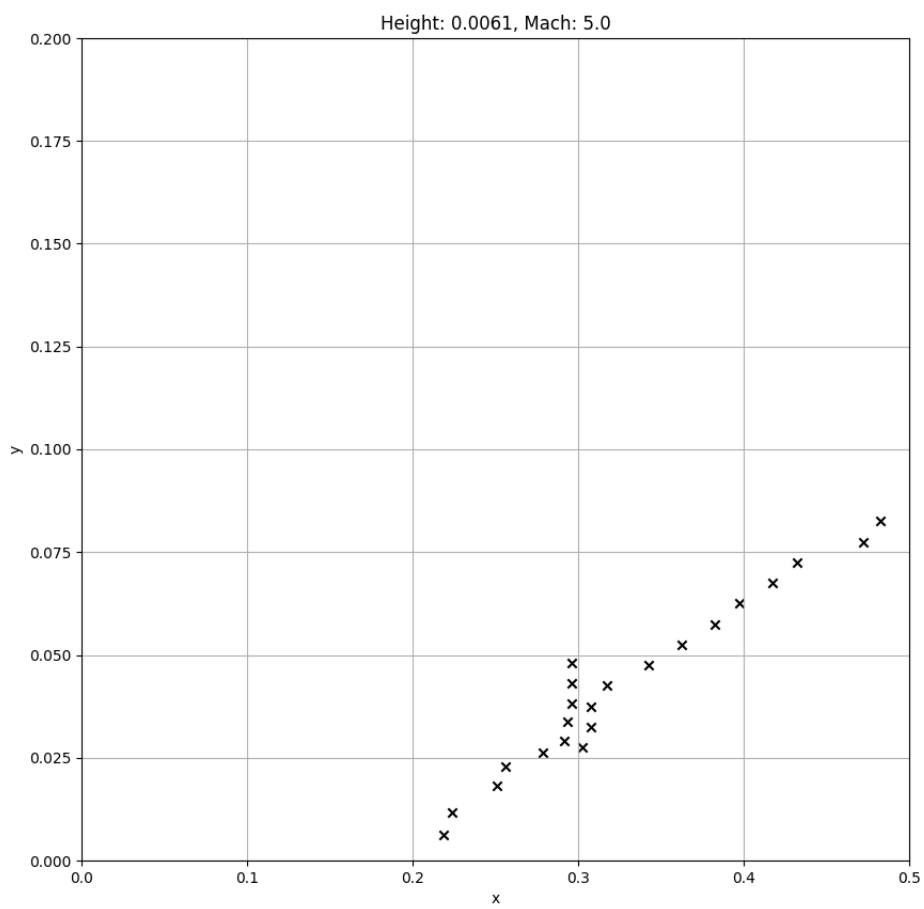


Figure 30: Mach 5.0



## 4 Height 0.0067

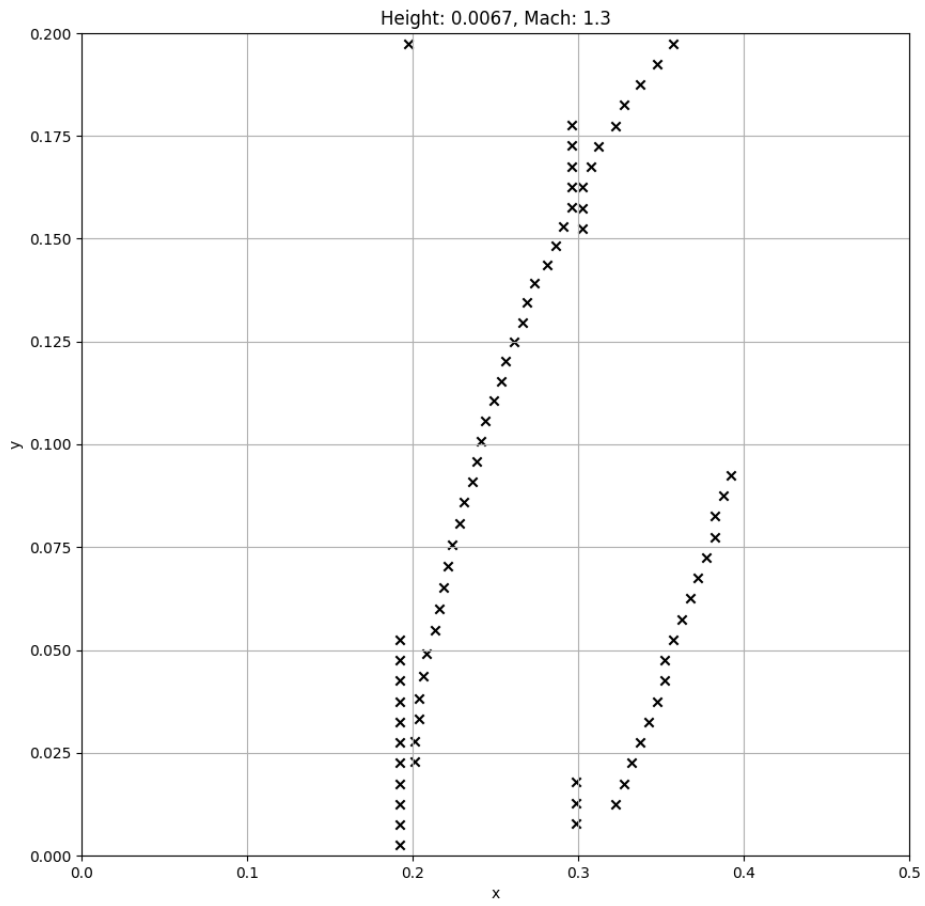


Figure 31: Mach 1.3

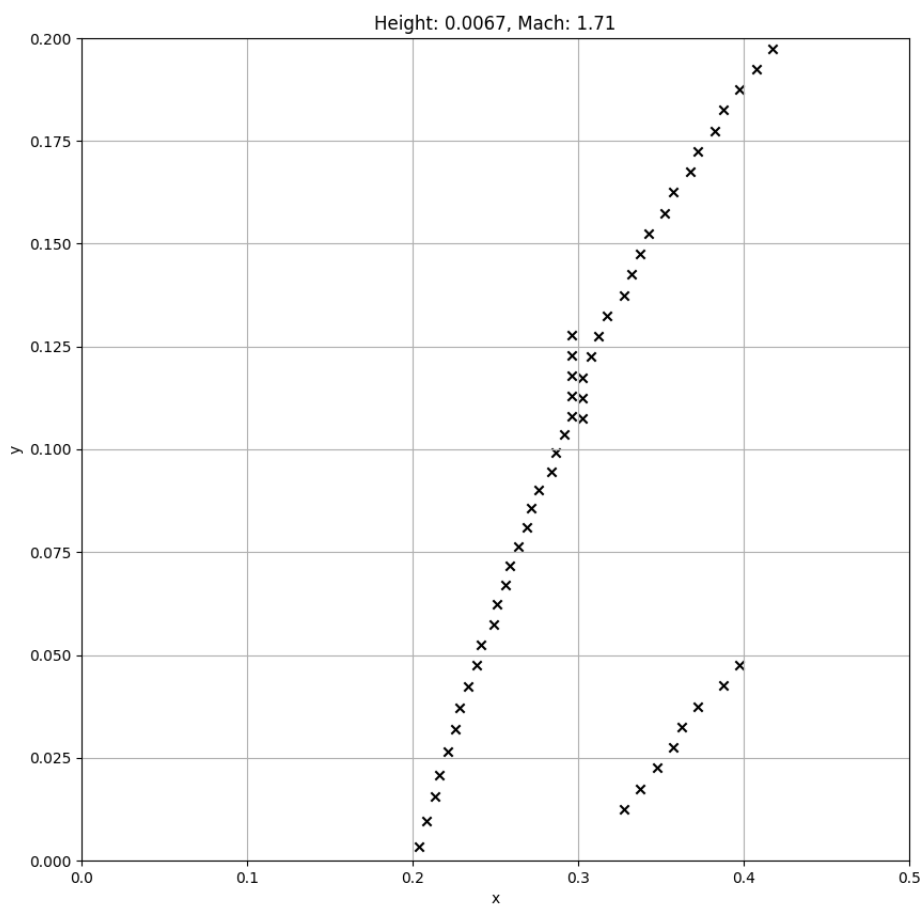


Figure 32: Mach 1.71

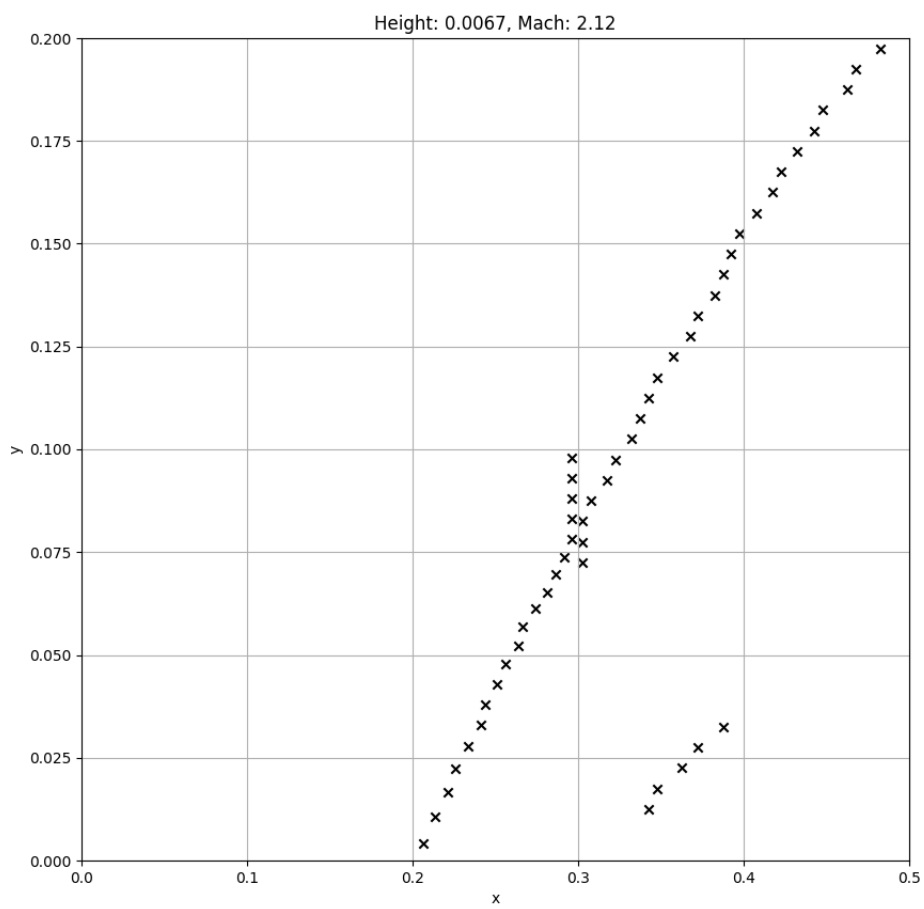


Figure 33: Mach 2.12

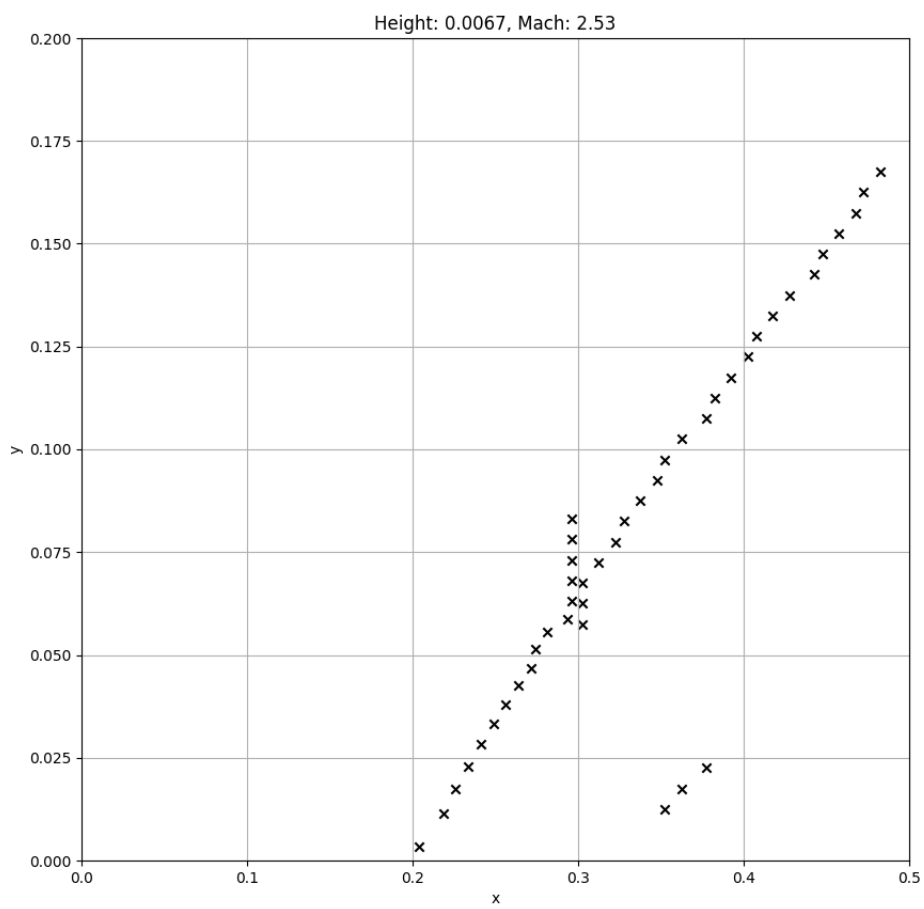


Figure 34: Mach 2.53

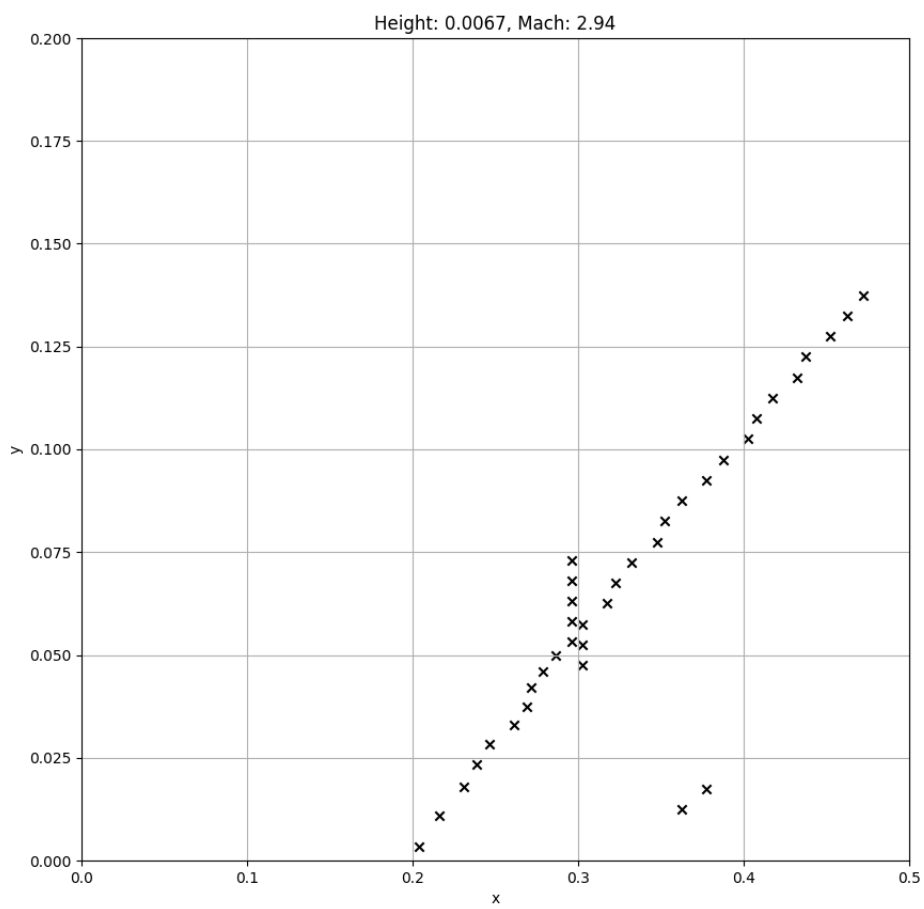


Figure 35: Mach 2.94

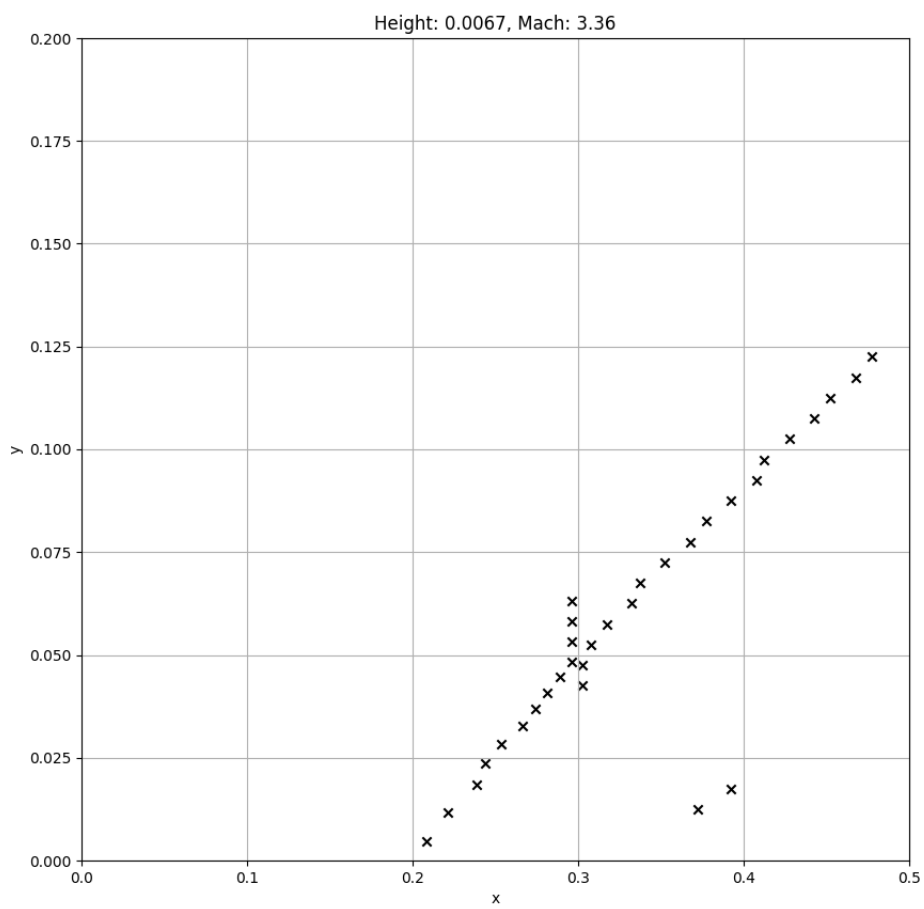


Figure 36: Mach 3.36

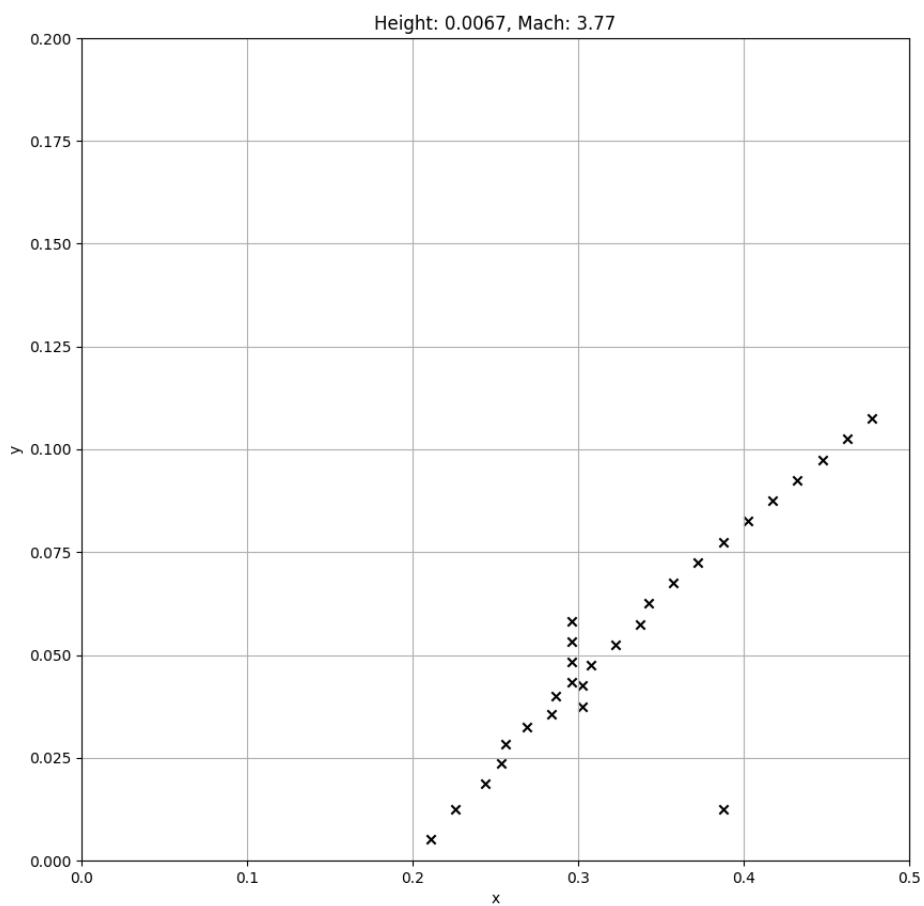


Figure 37: Mach 3.77

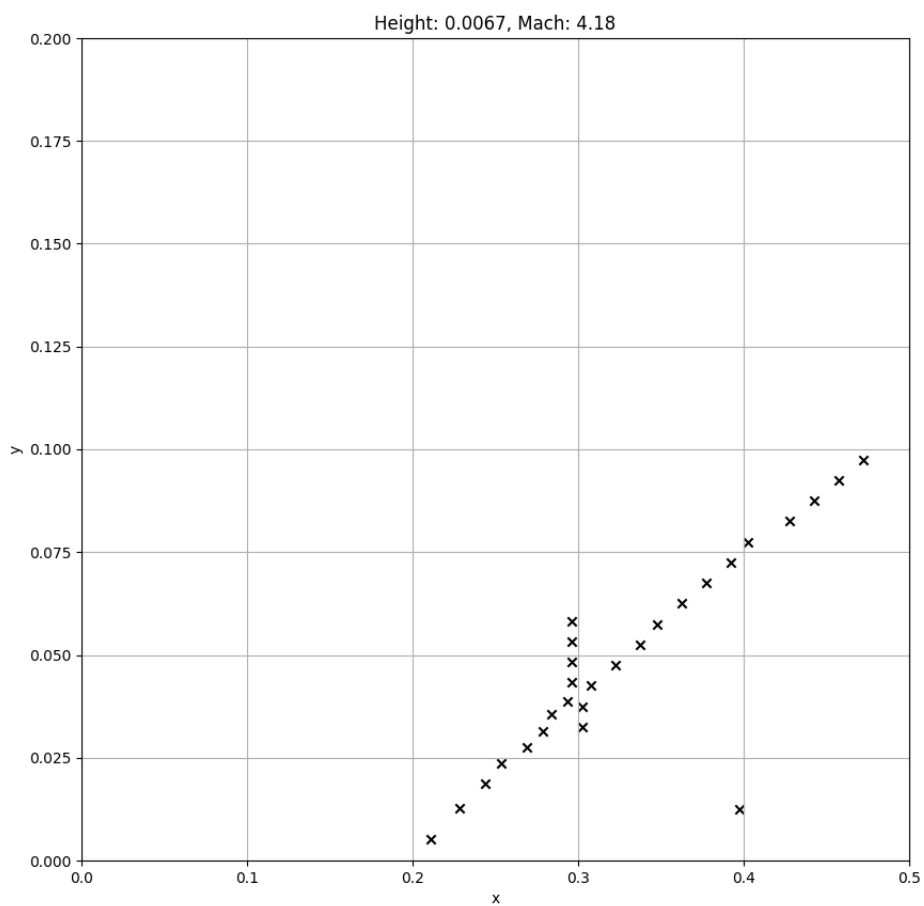


Figure 38: Mach 4.18



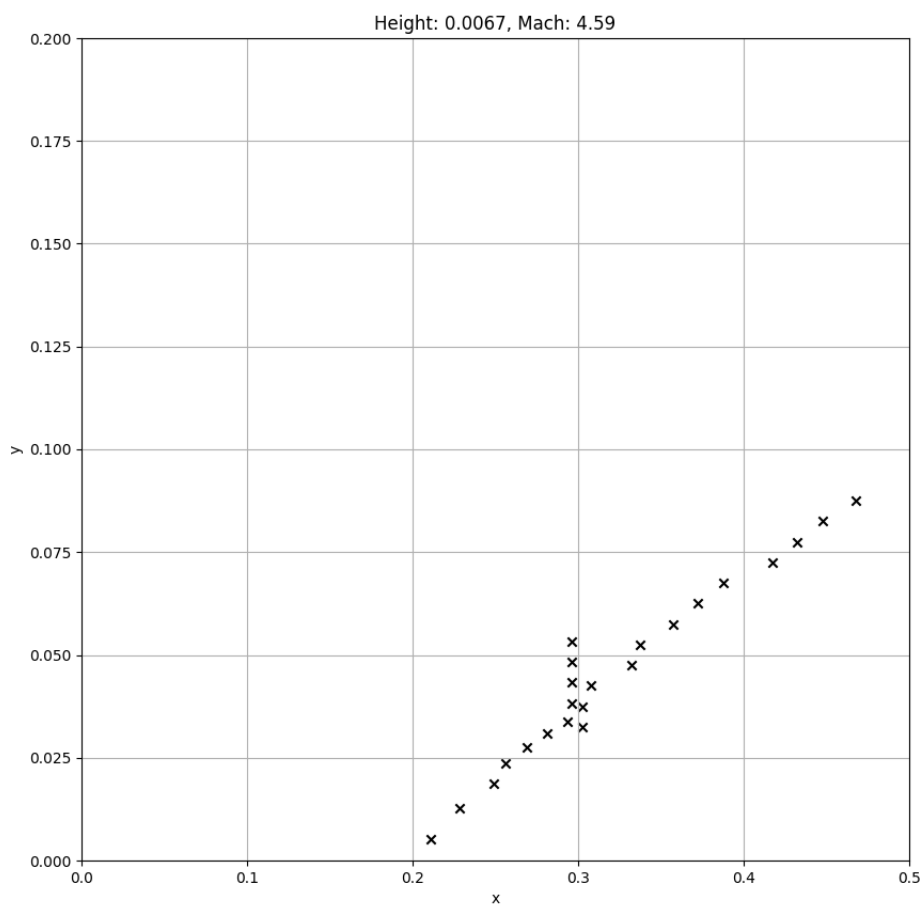


Figure 39: Mach 4.59

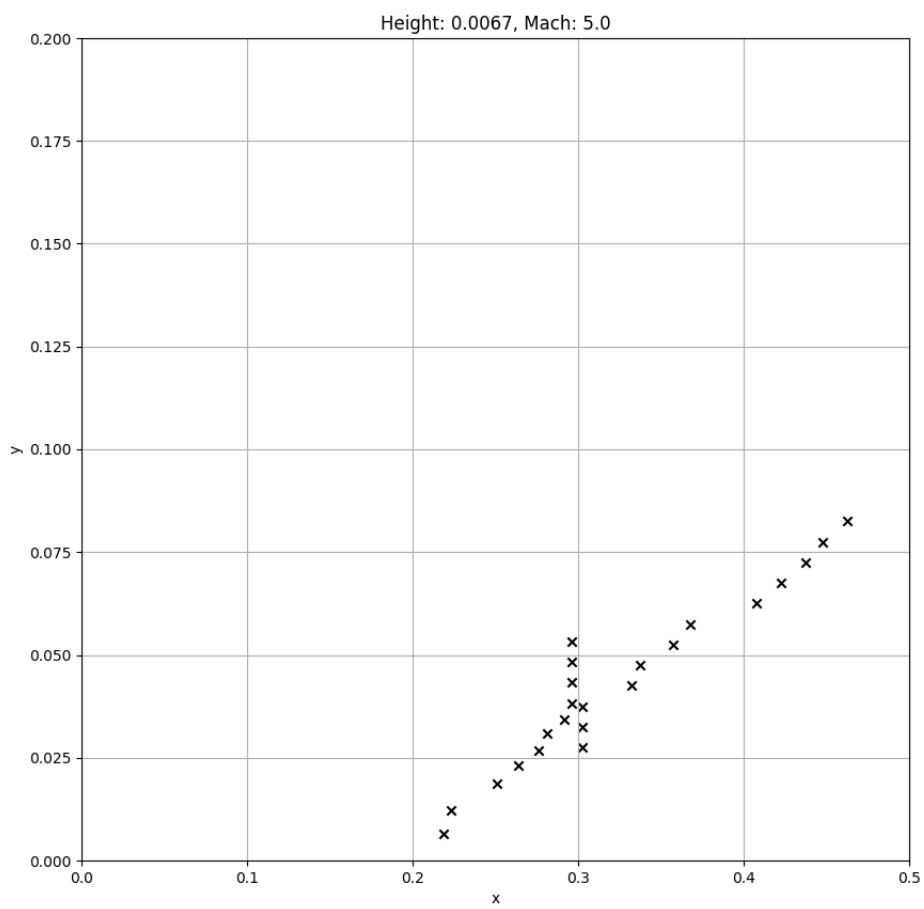


Figure 40: Mach 5.0

## 5 Height 0.0072

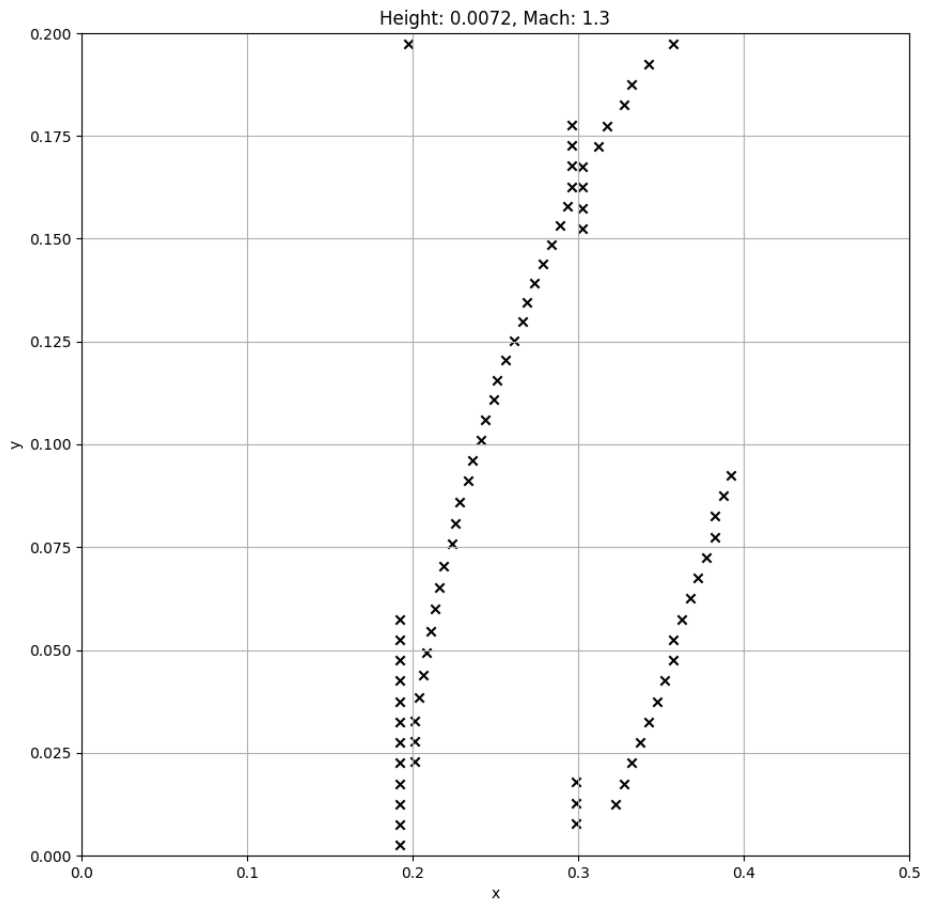


Figure 41: Mach 1.3

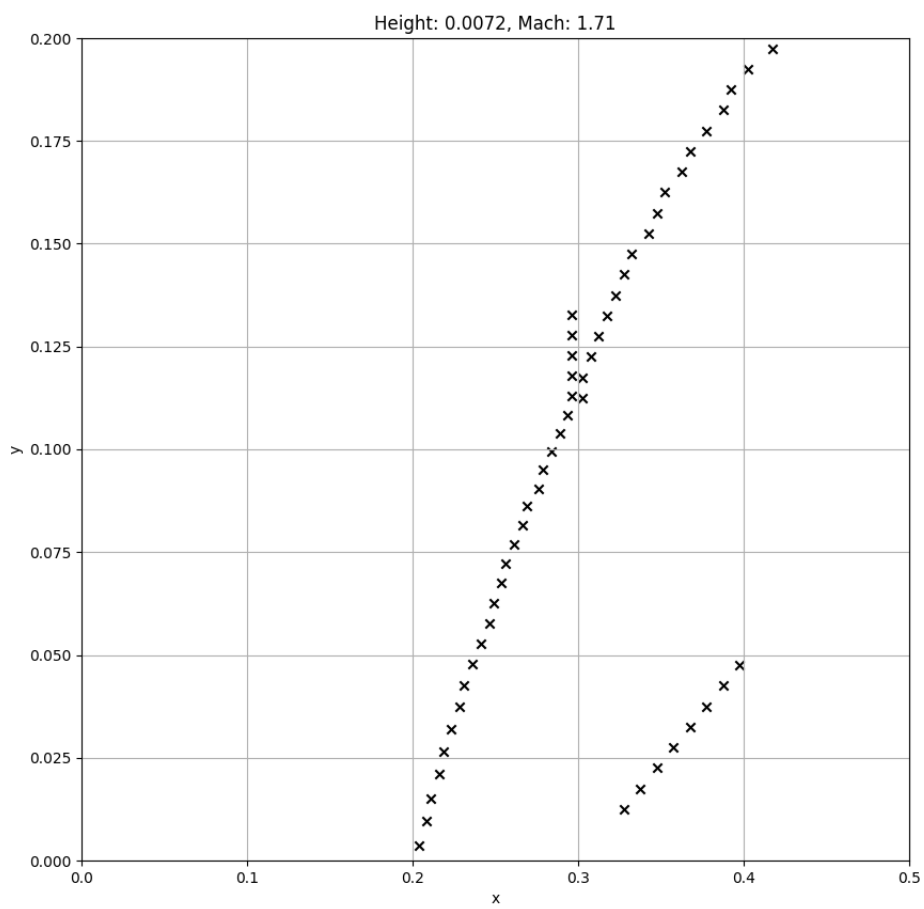


Figure 42: Mach 1.71

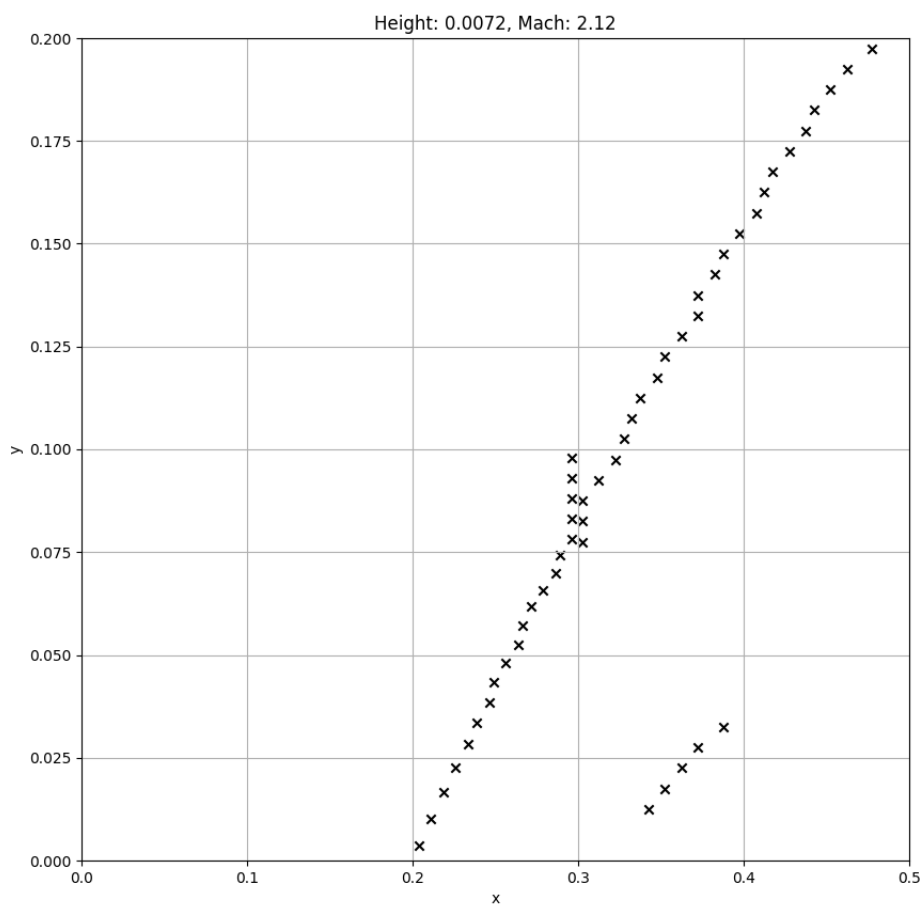


Figure 43: Mach 2.12

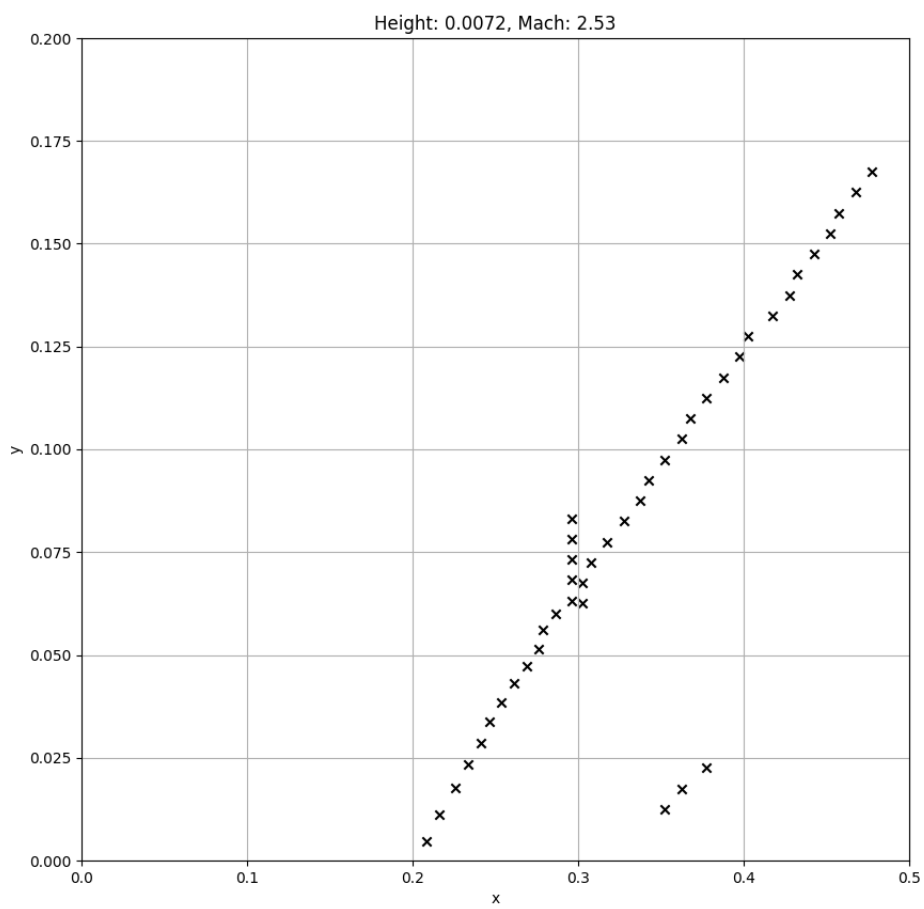


Figure 44: Mach 2.53

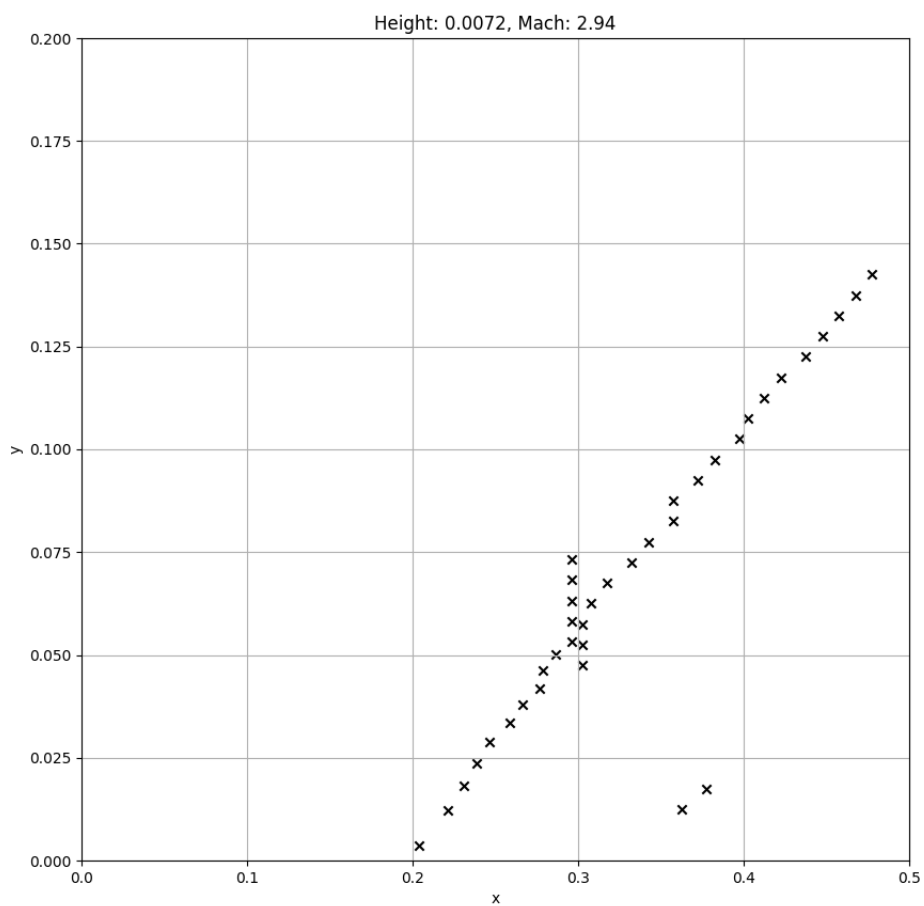


Figure 45: Mach 2.94

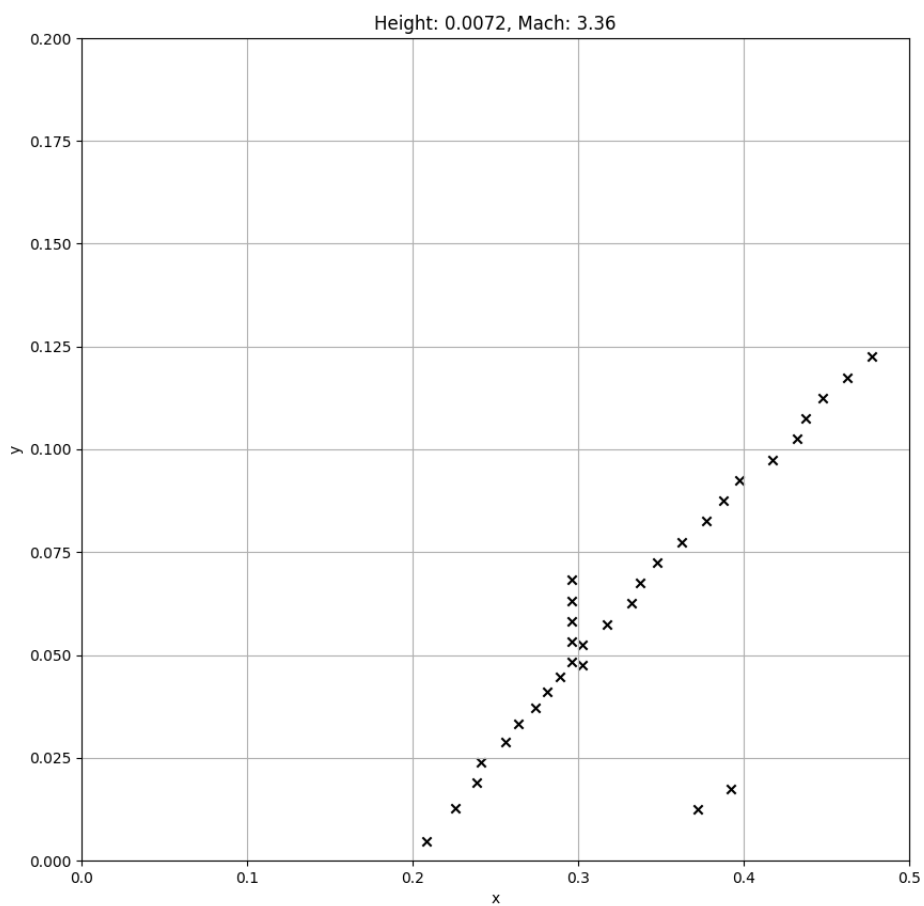


Figure 46: Mach 3.36



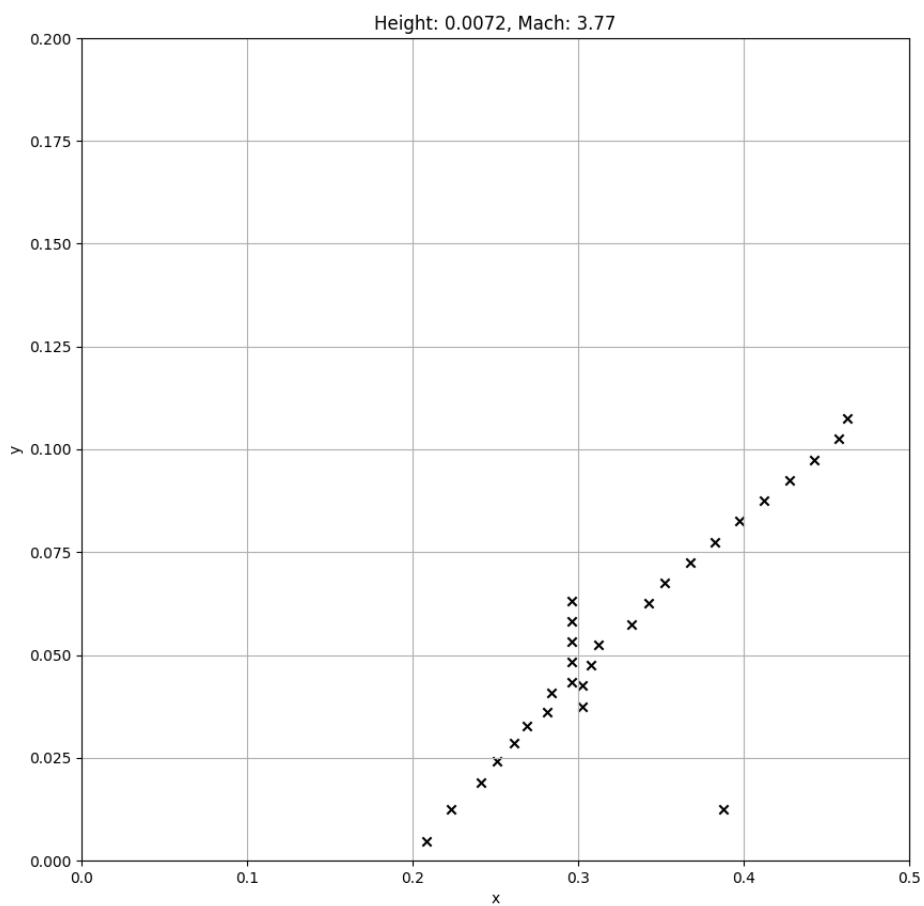


Figure 47: Mach 3.77

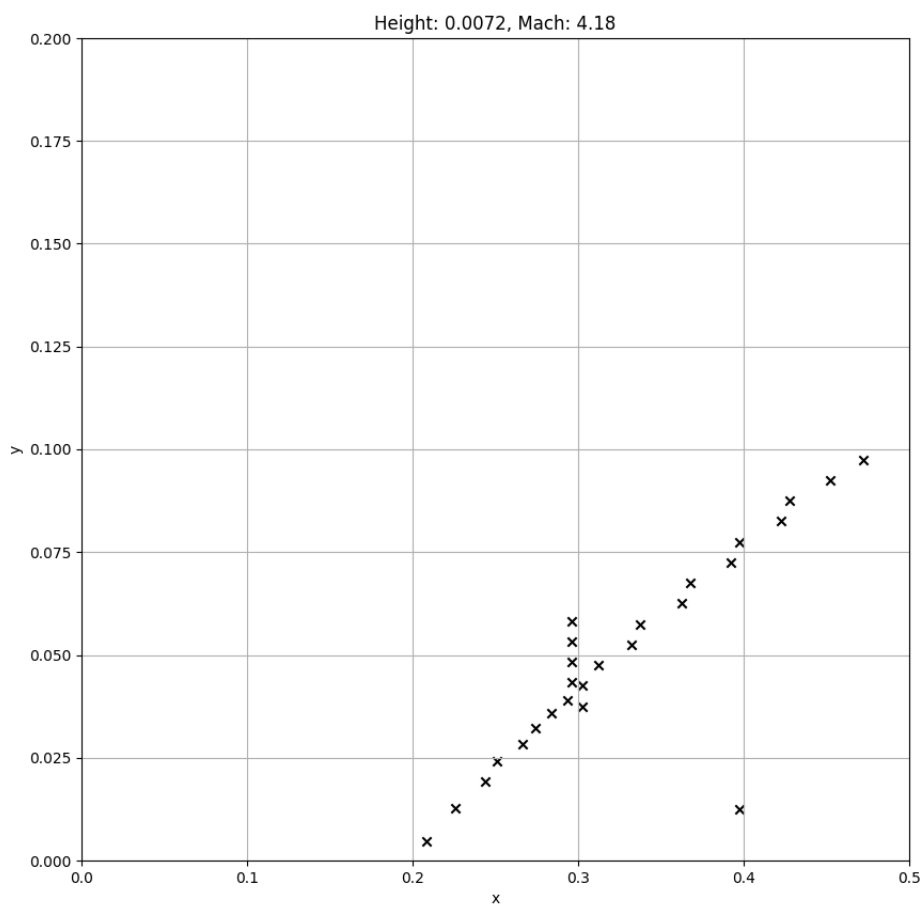


Figure 48: Mach 4.18

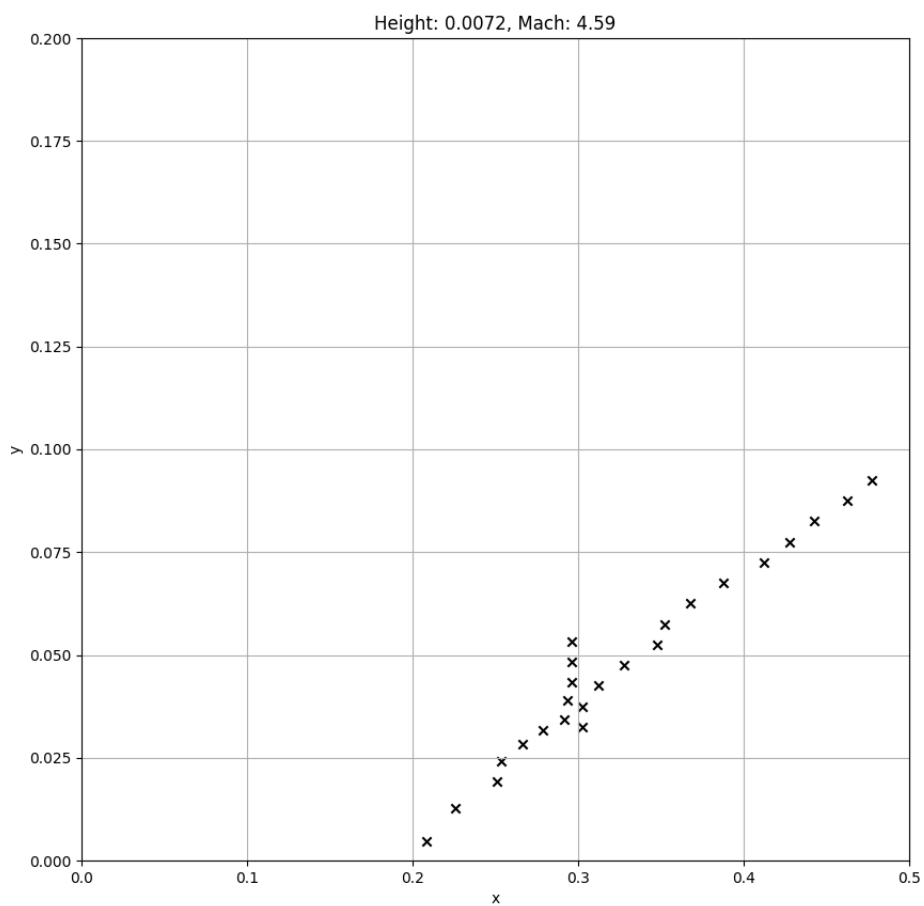


Figure 49: Mach 4.59

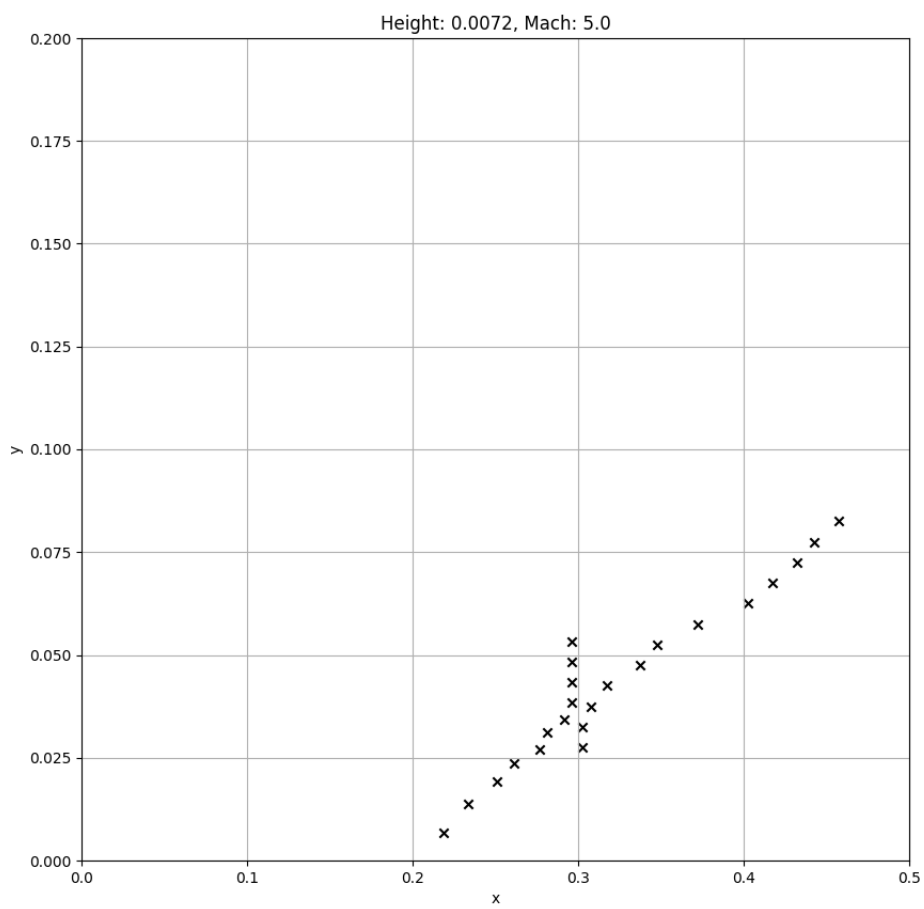


Figure 50: Mach 5.0

## 6 Height 0.0078

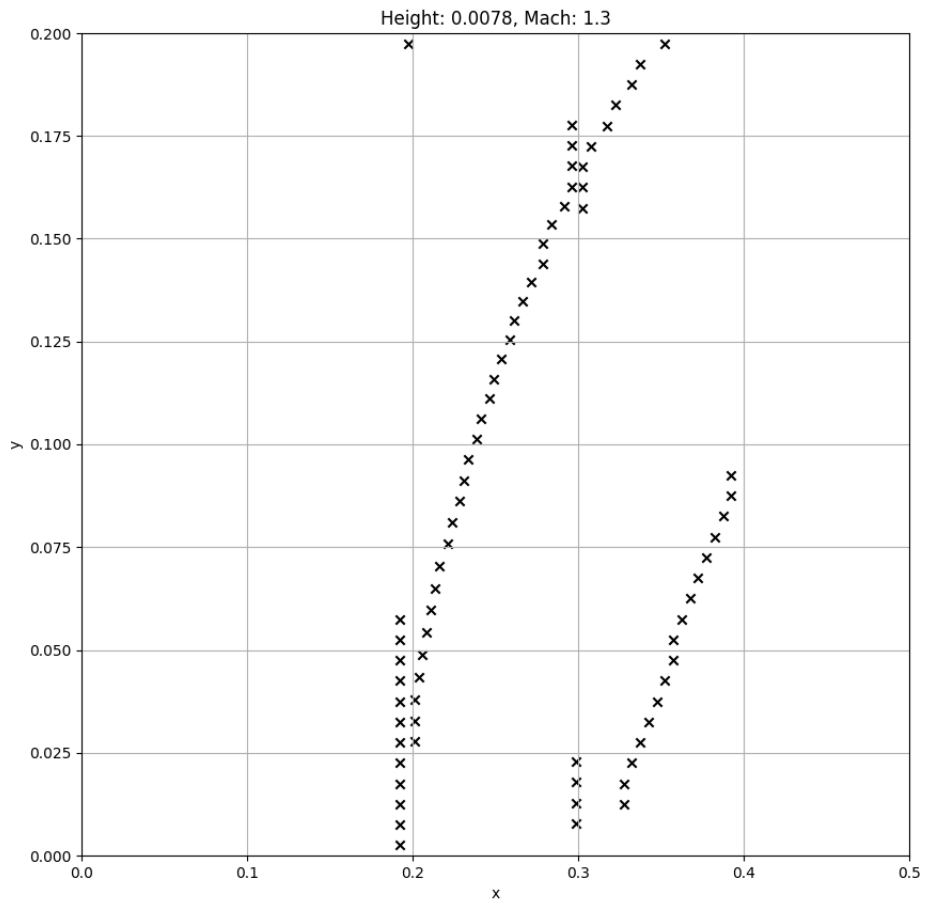


Figure 51: Mach 1.3

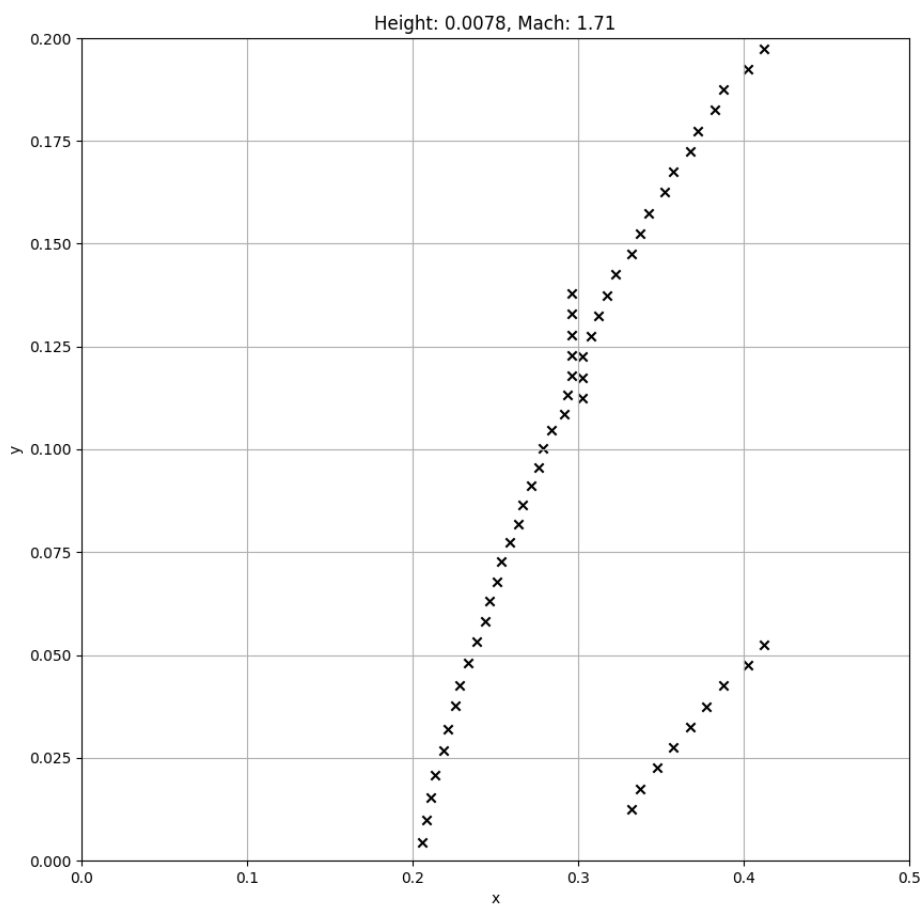


Figure 52: Mach 1.71

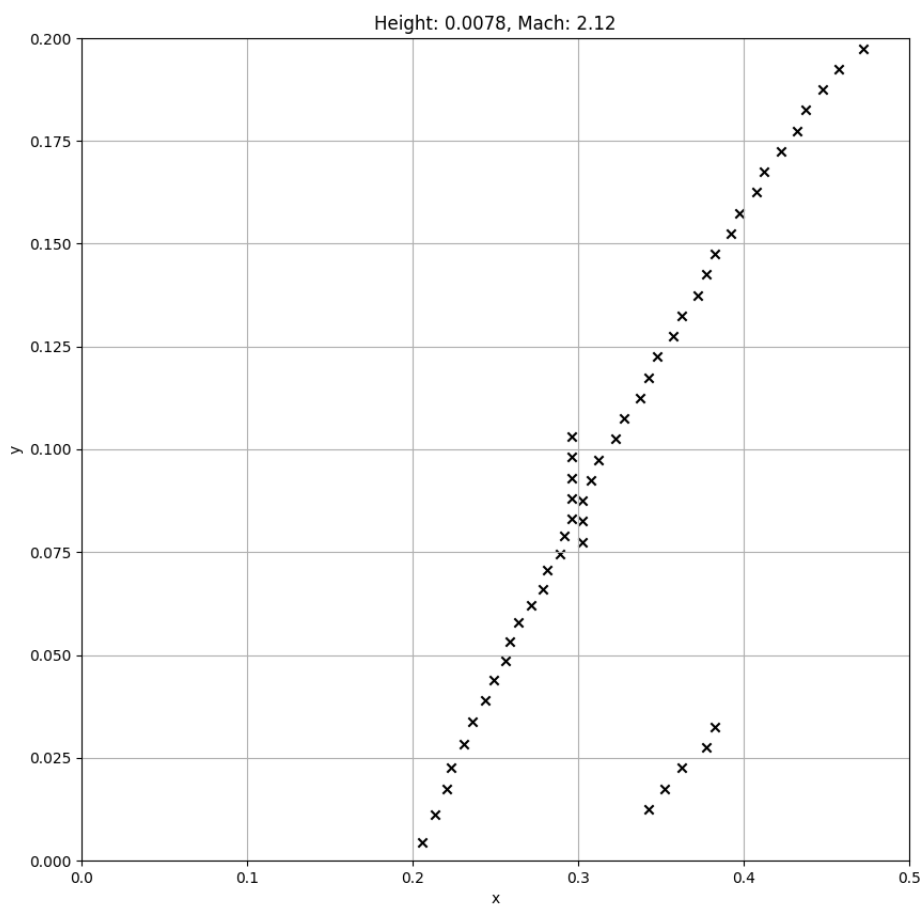


Figure 53: Mach 2.12

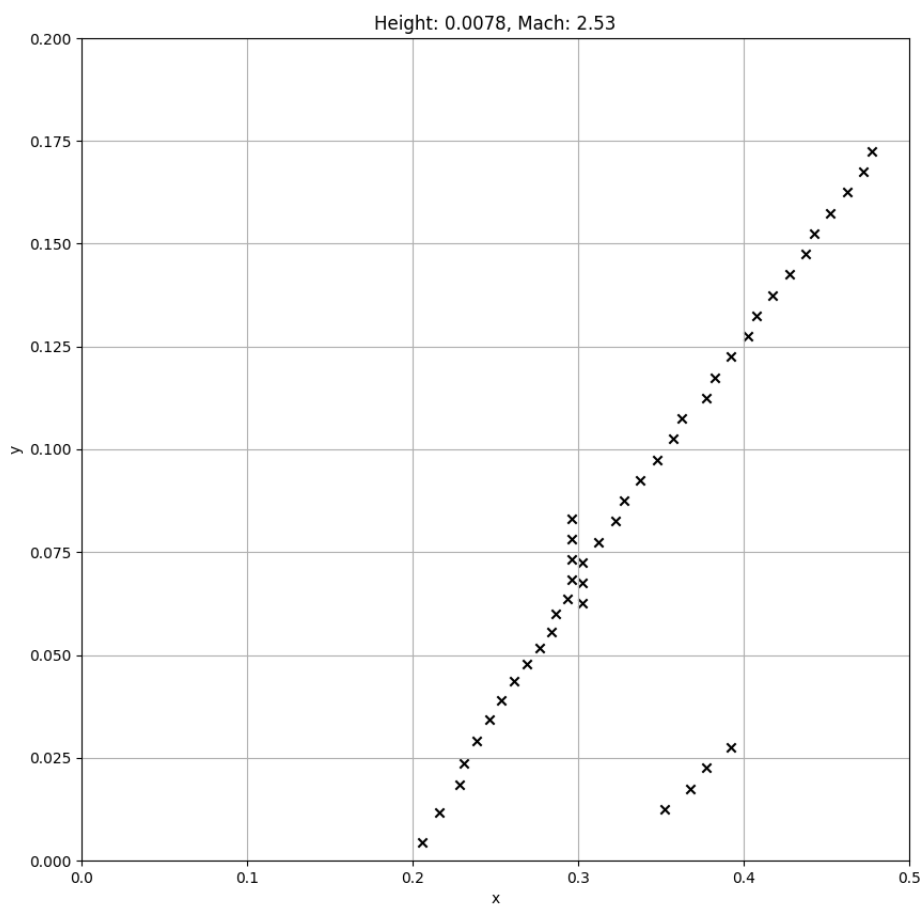


Figure 54: Mach 2.53



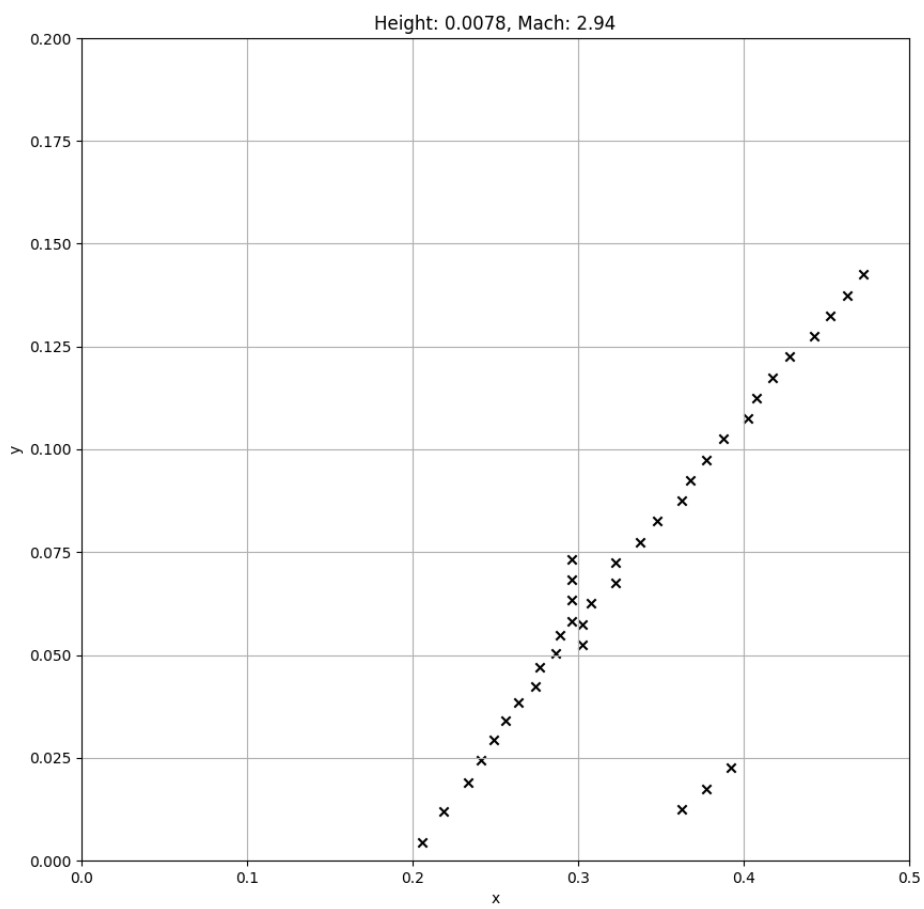


Figure 55: Mach 2.94

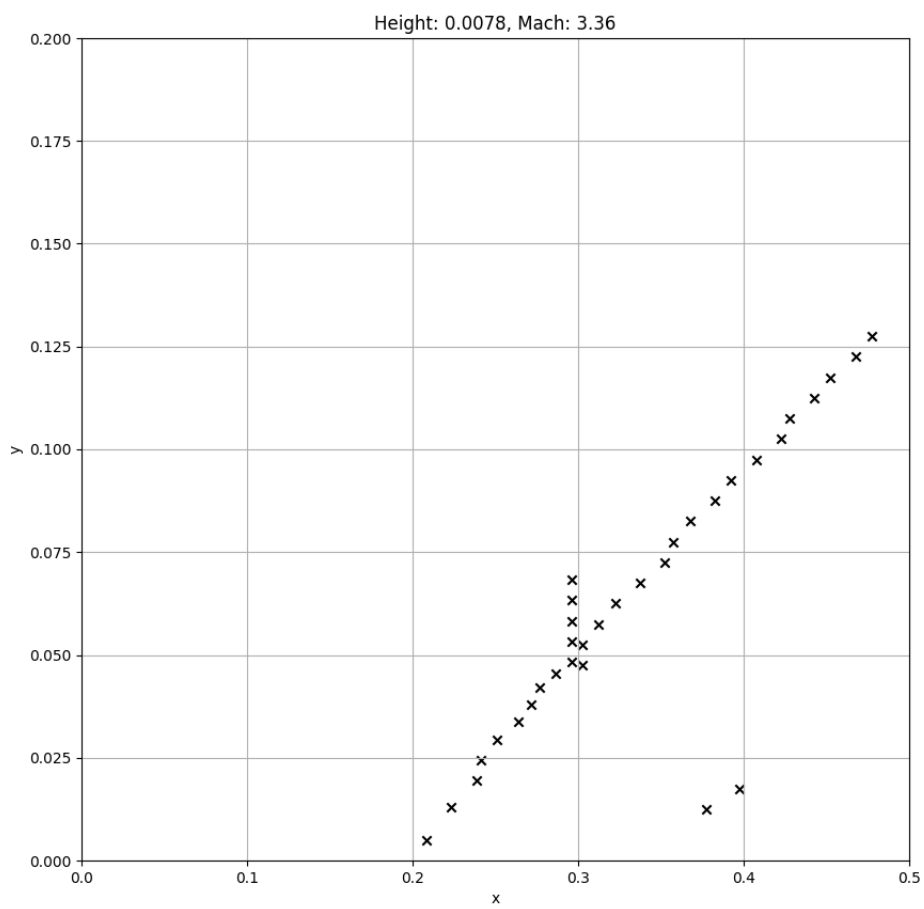


Figure 56: Mach 3.36

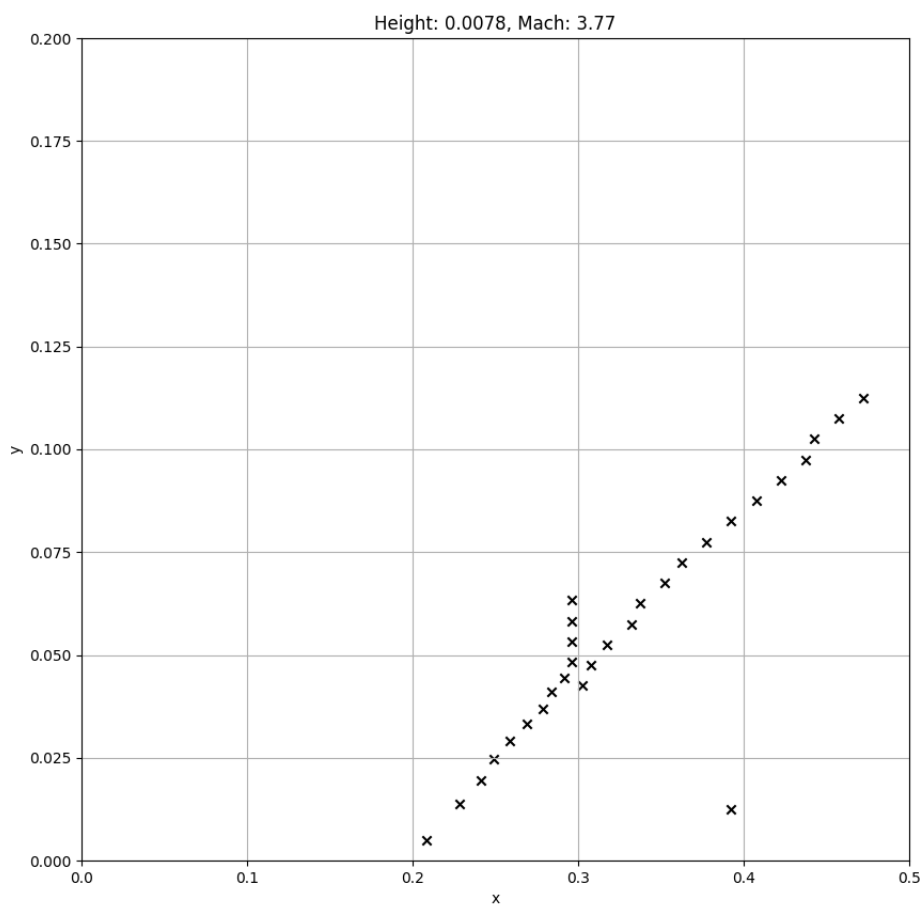


Figure 57: Mach 3.77

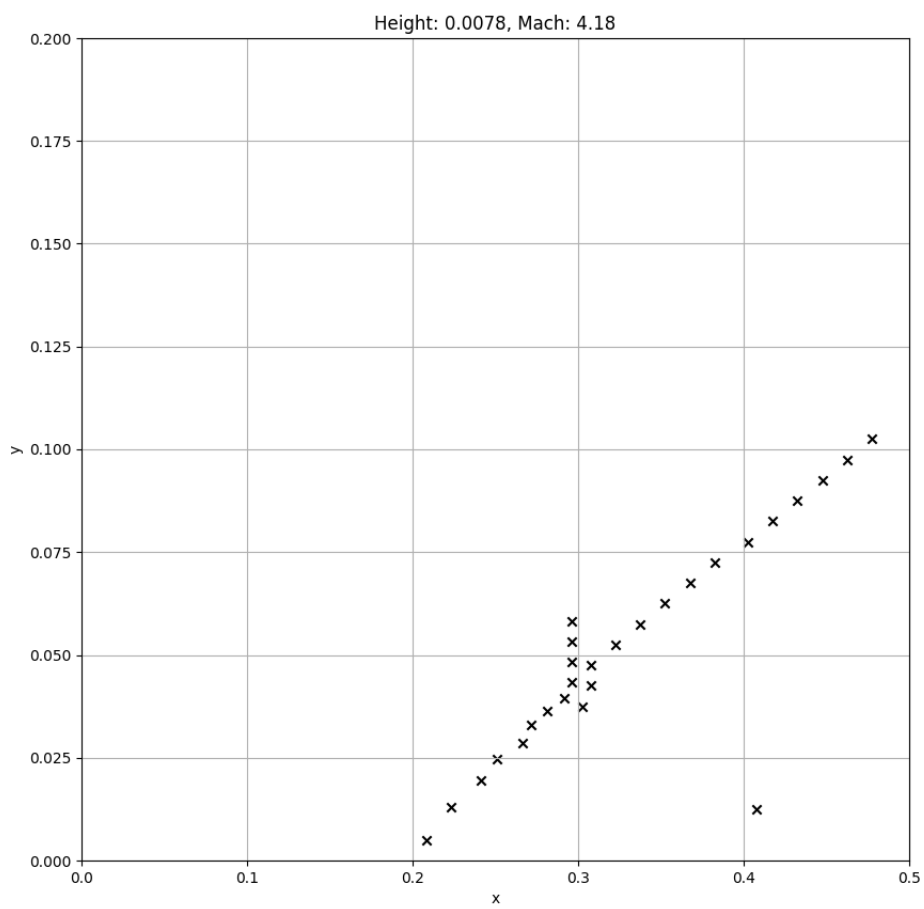


Figure 58: Mach 4.18

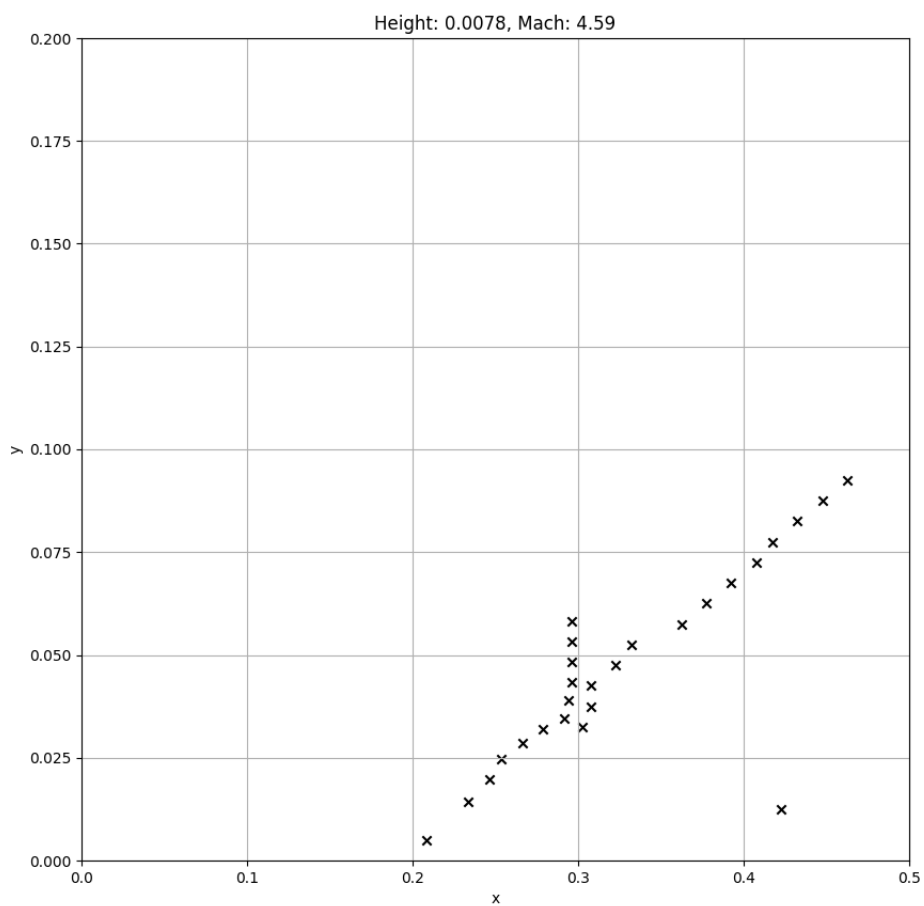


Figure 59: Mach 4.59

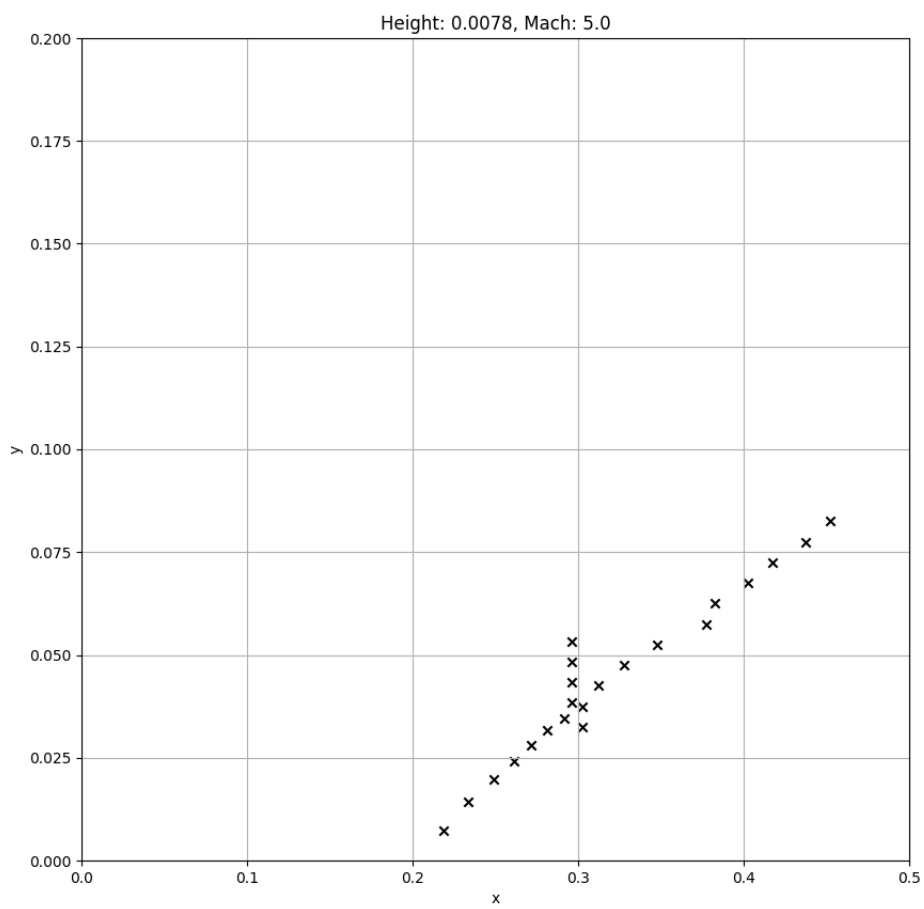


Figure 60: Mach 5.0

## 7 Height 0.0083

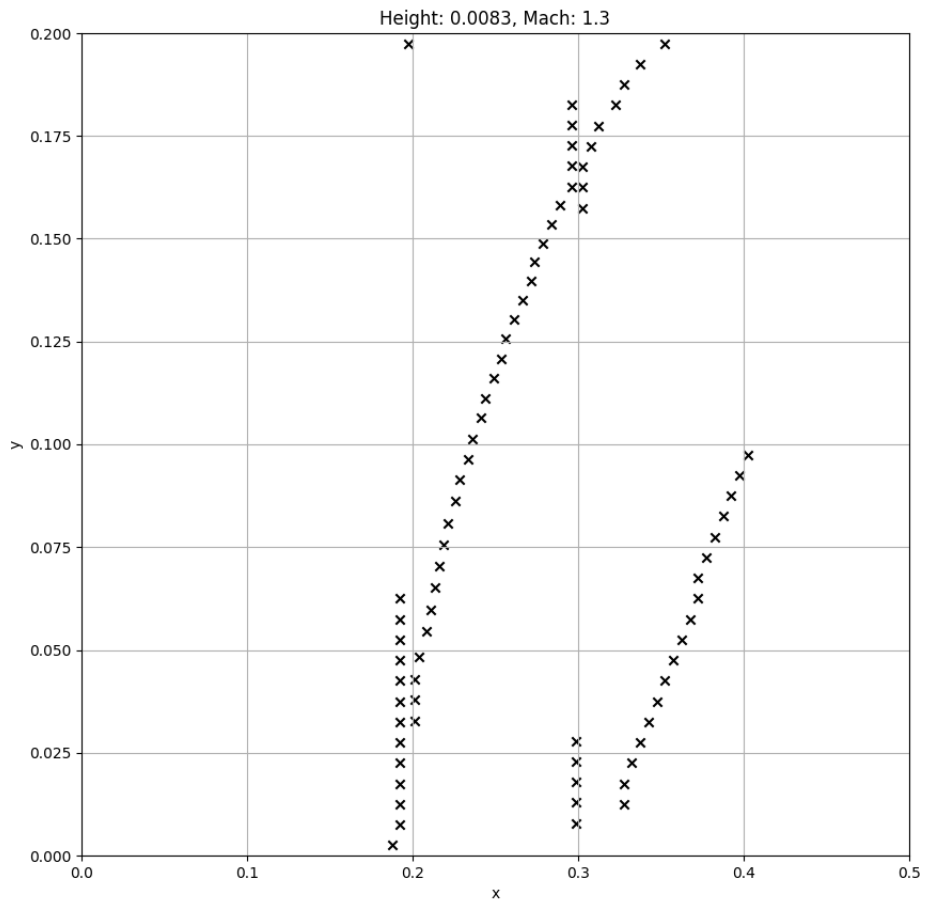


Figure 61: Mach 1.3

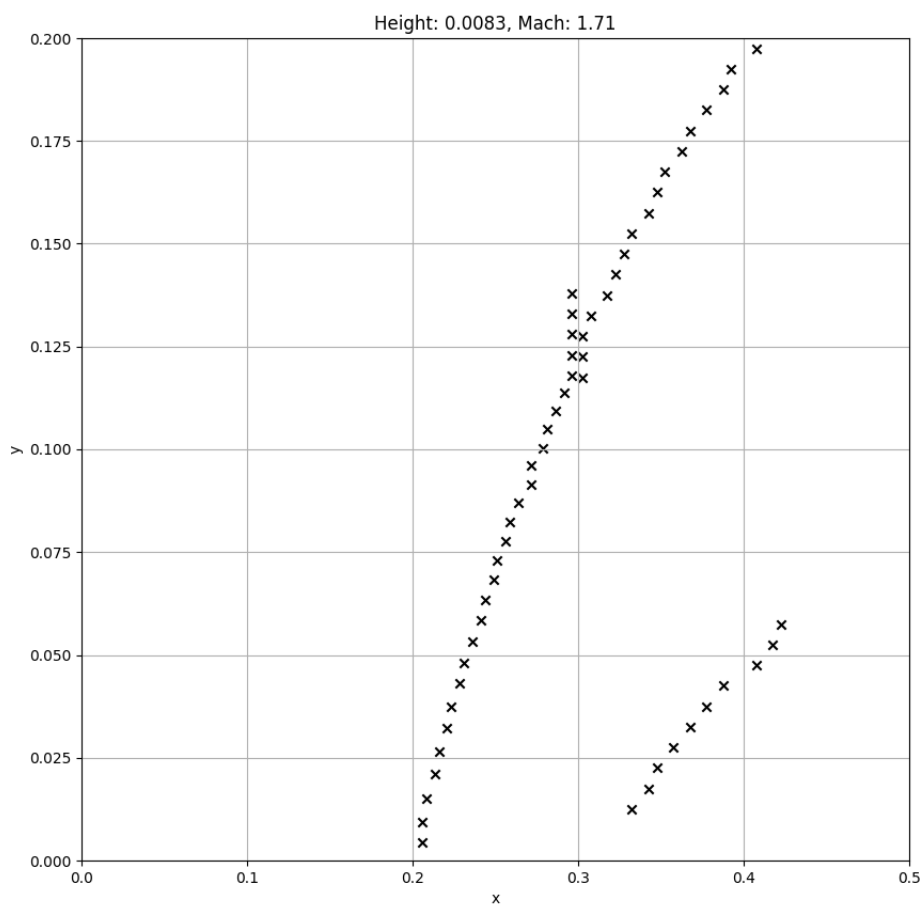


Figure 62: Mach 1.71



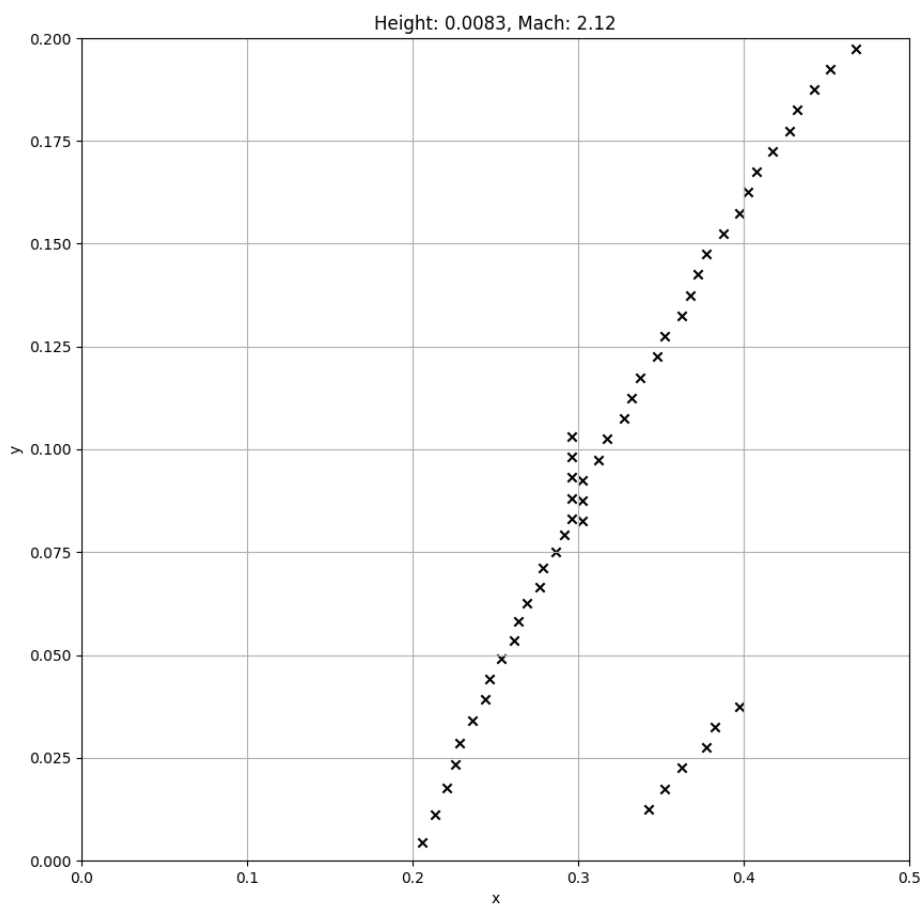


Figure 63: Mach 2.12

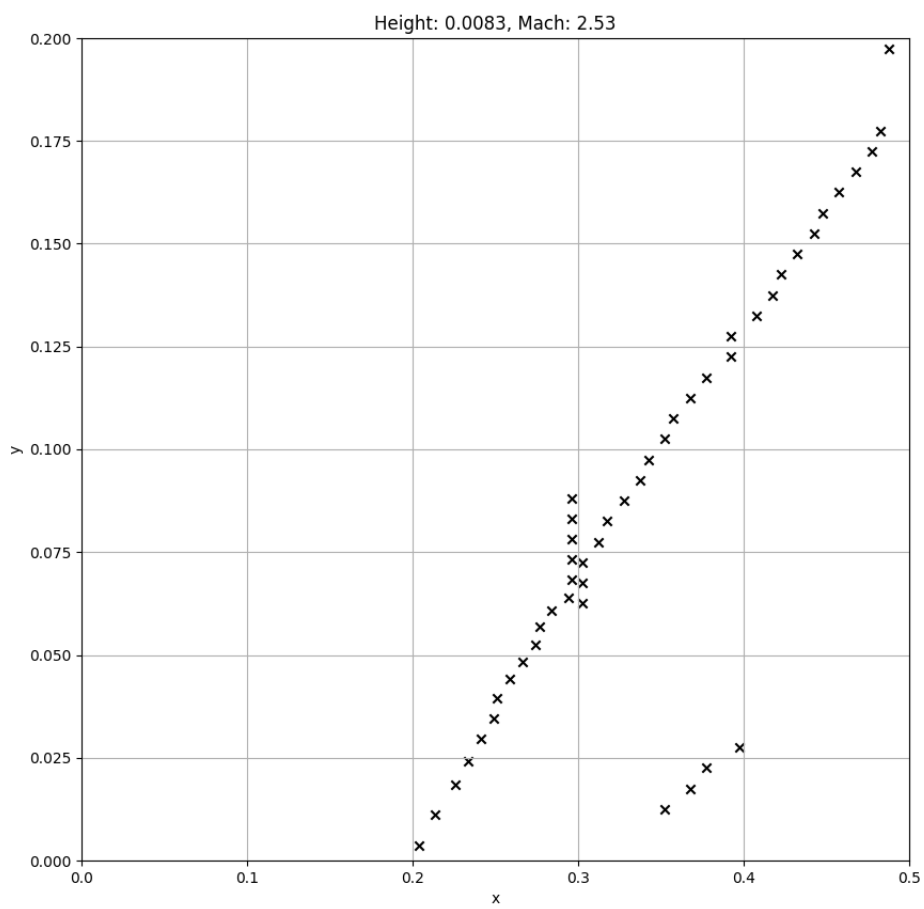
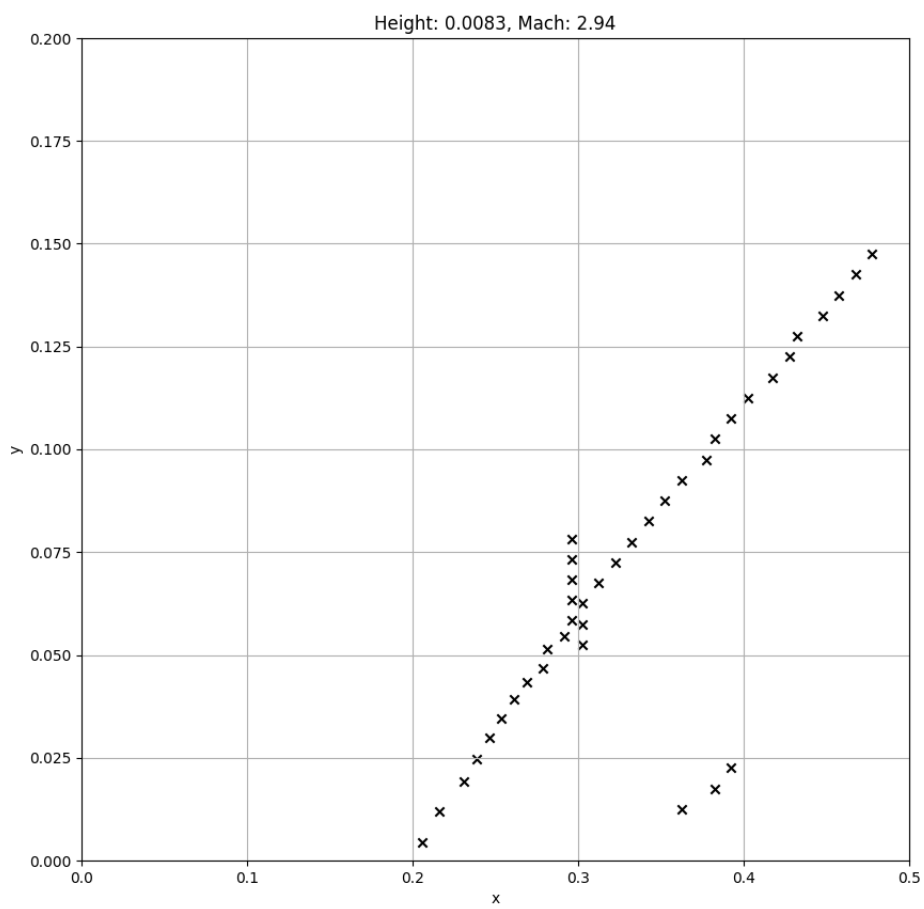


Figure 64: Mach 2.53



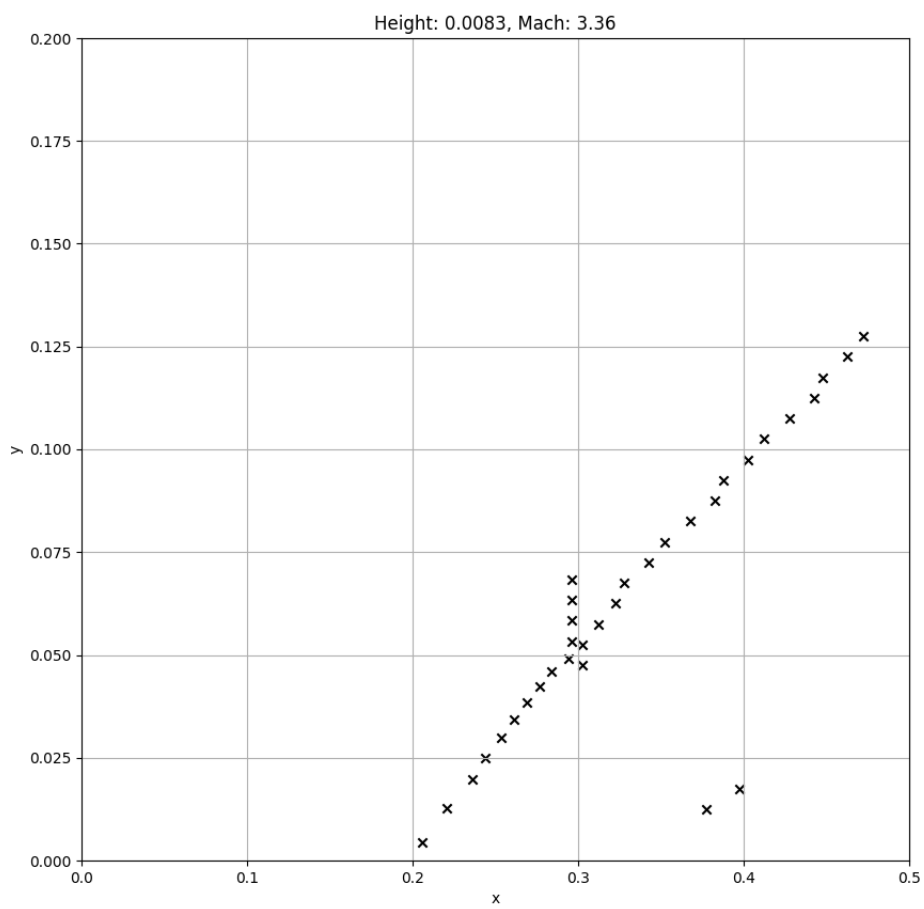


Figure 66: Mach 3.36

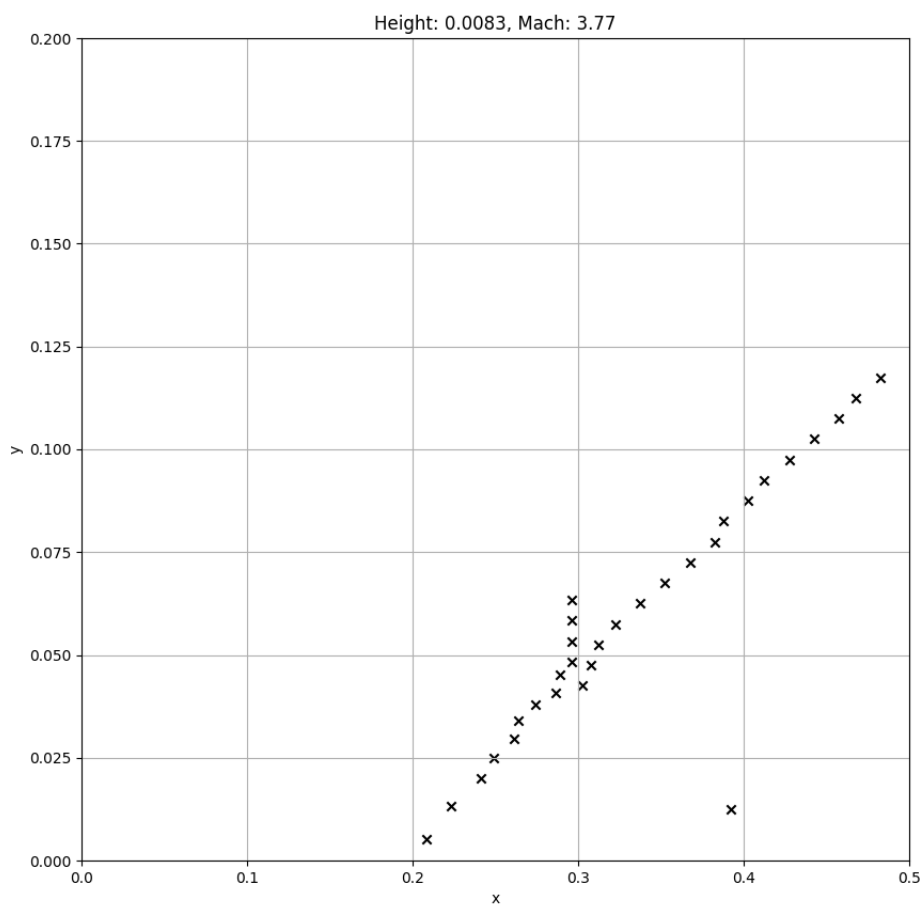


Figure 67: Mach 3.77

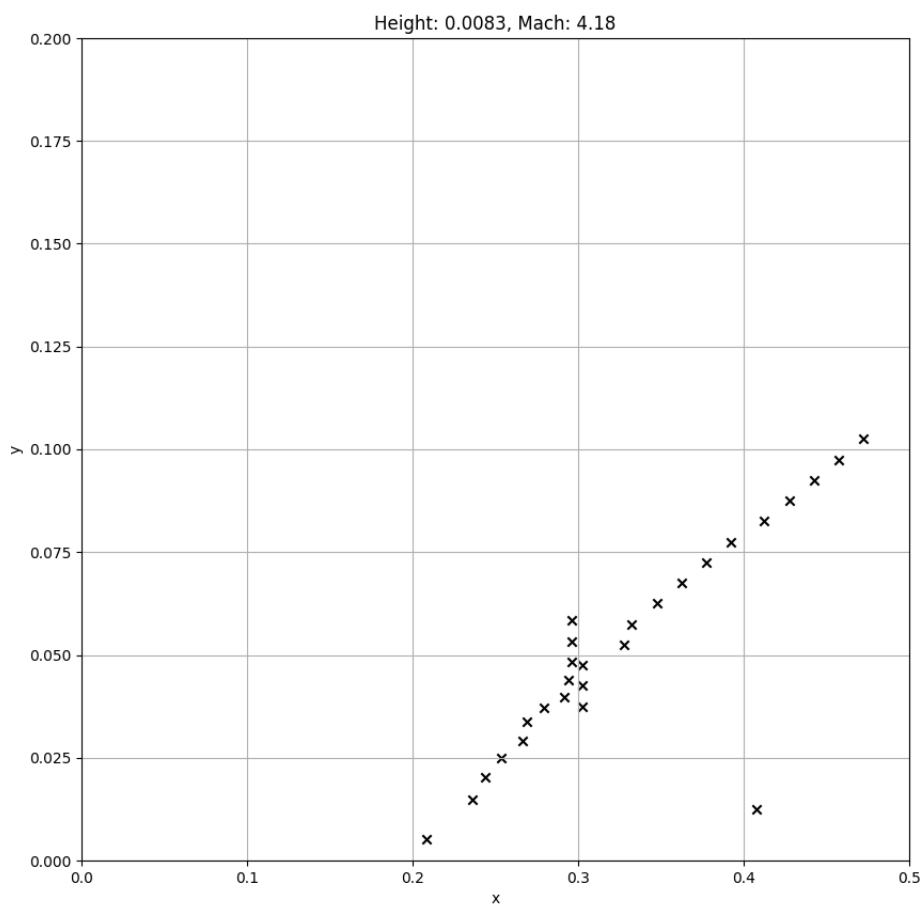


Figure 68: Mach 4.18

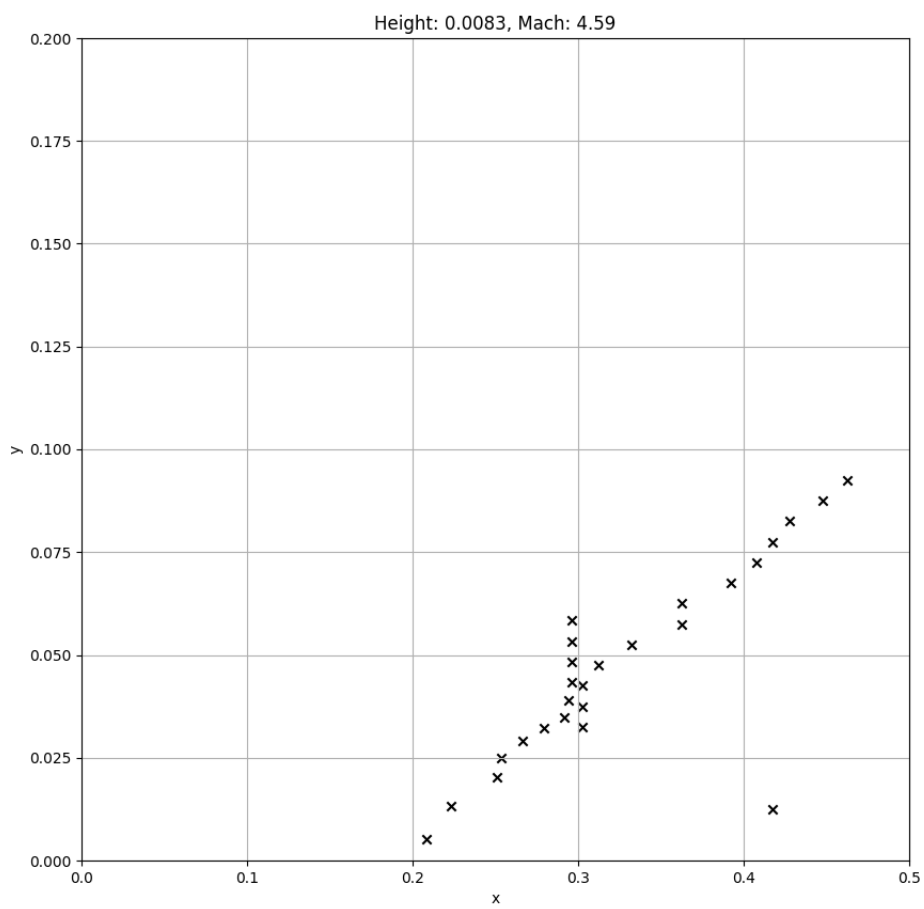


Figure 69: Mach 4.59

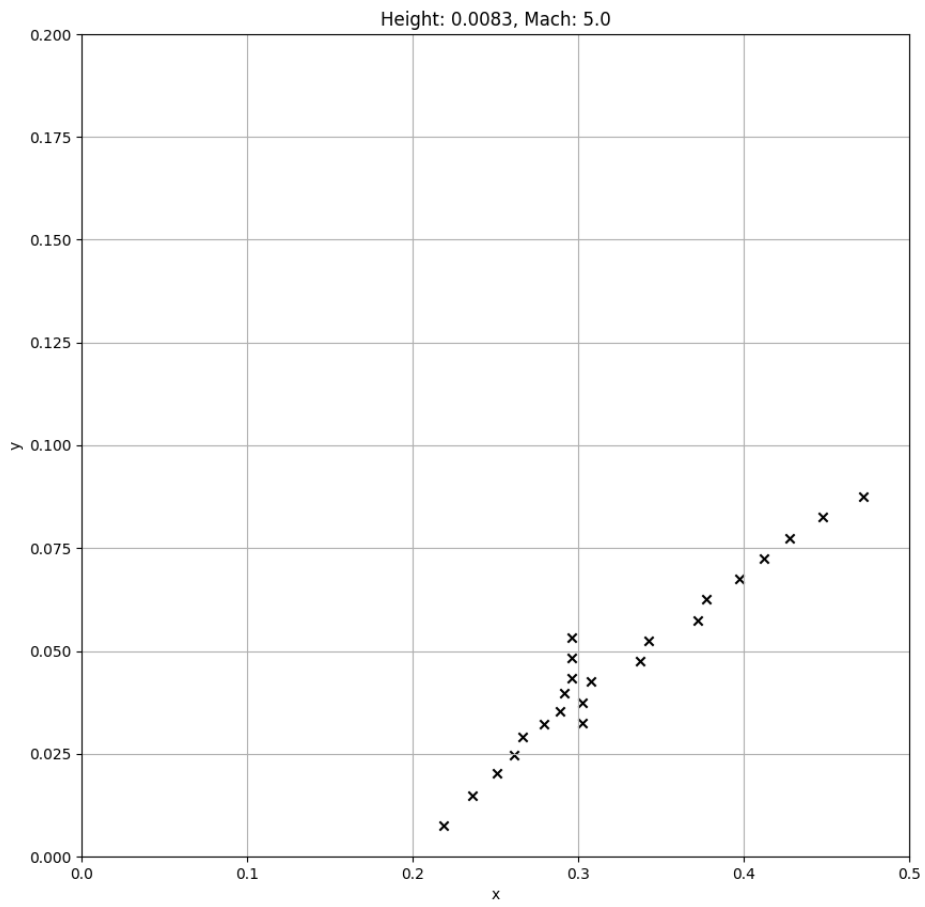
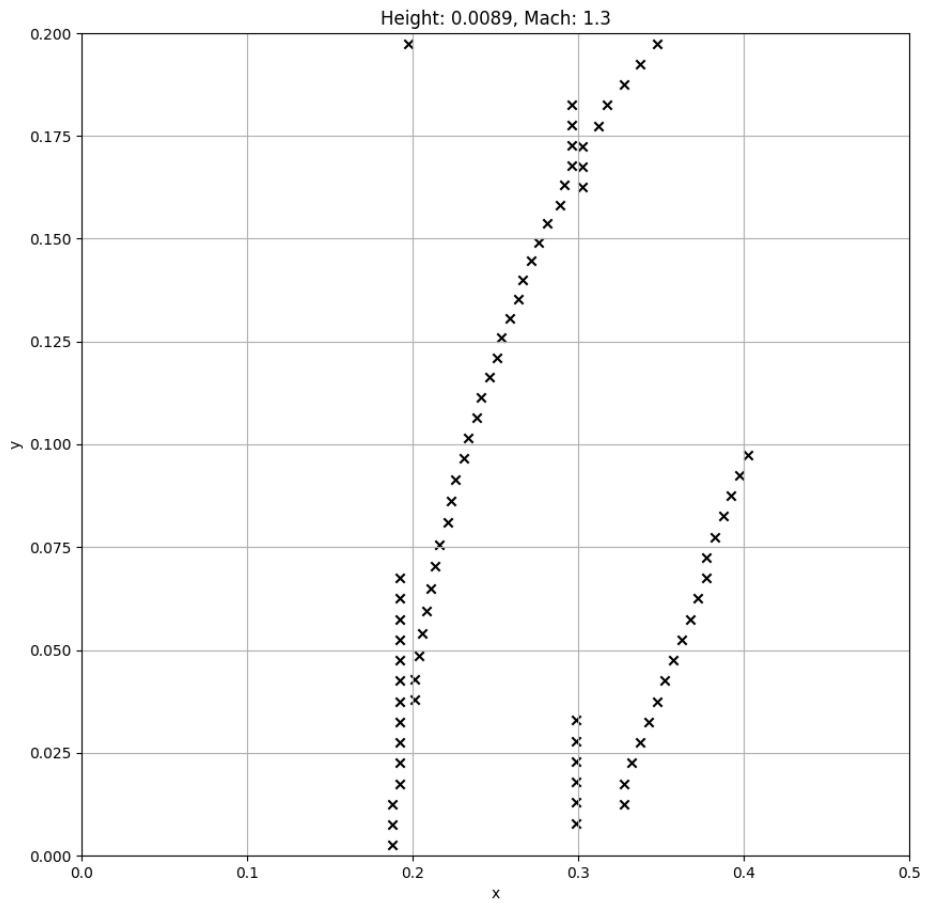


Figure 70: Mach 5.0



## 8 Height 0.0089



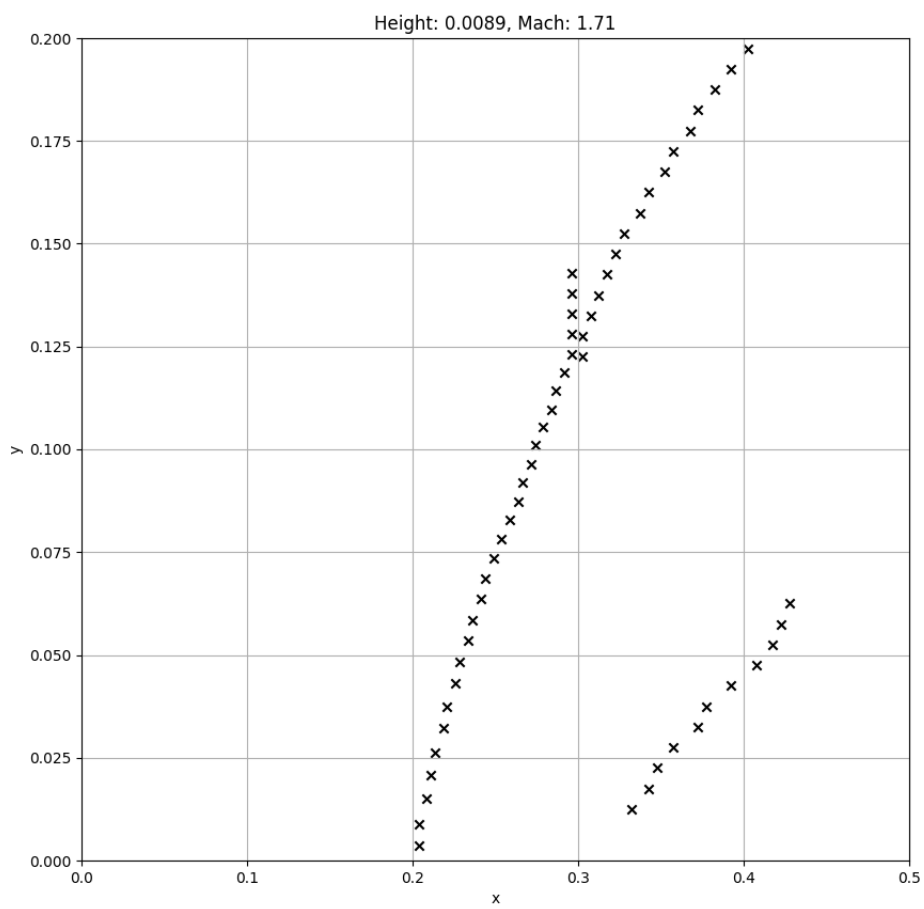


Figure 72: Mach 1.71

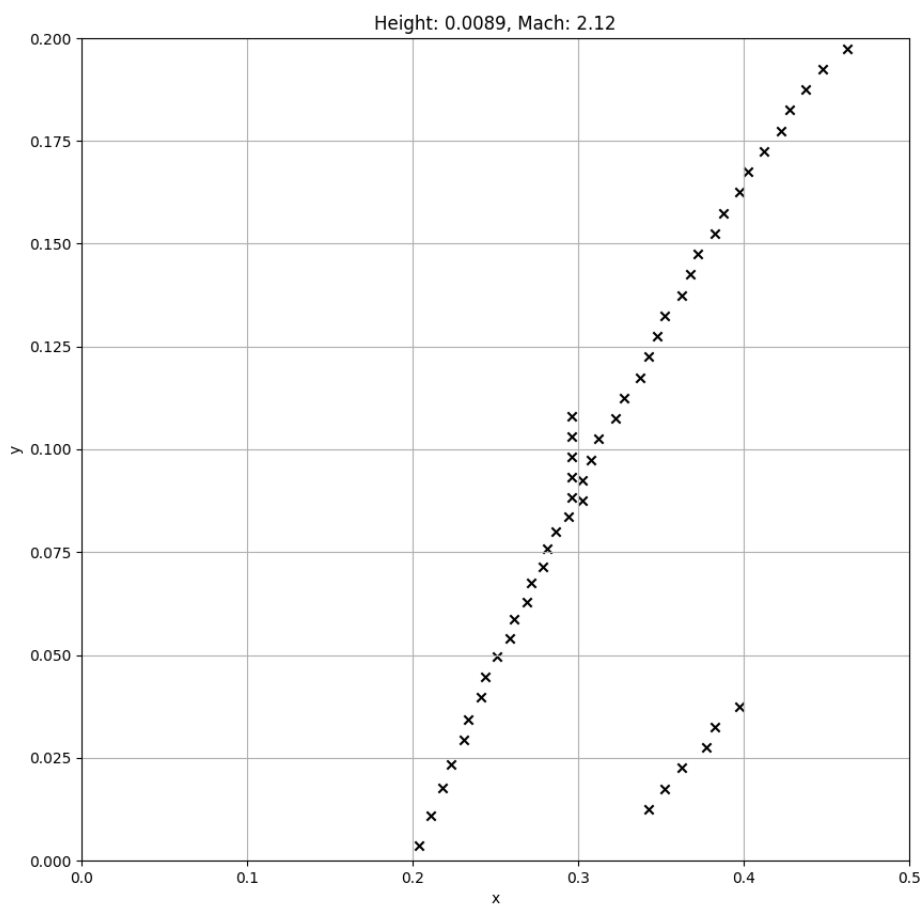


Figure 73: Mach 2.12

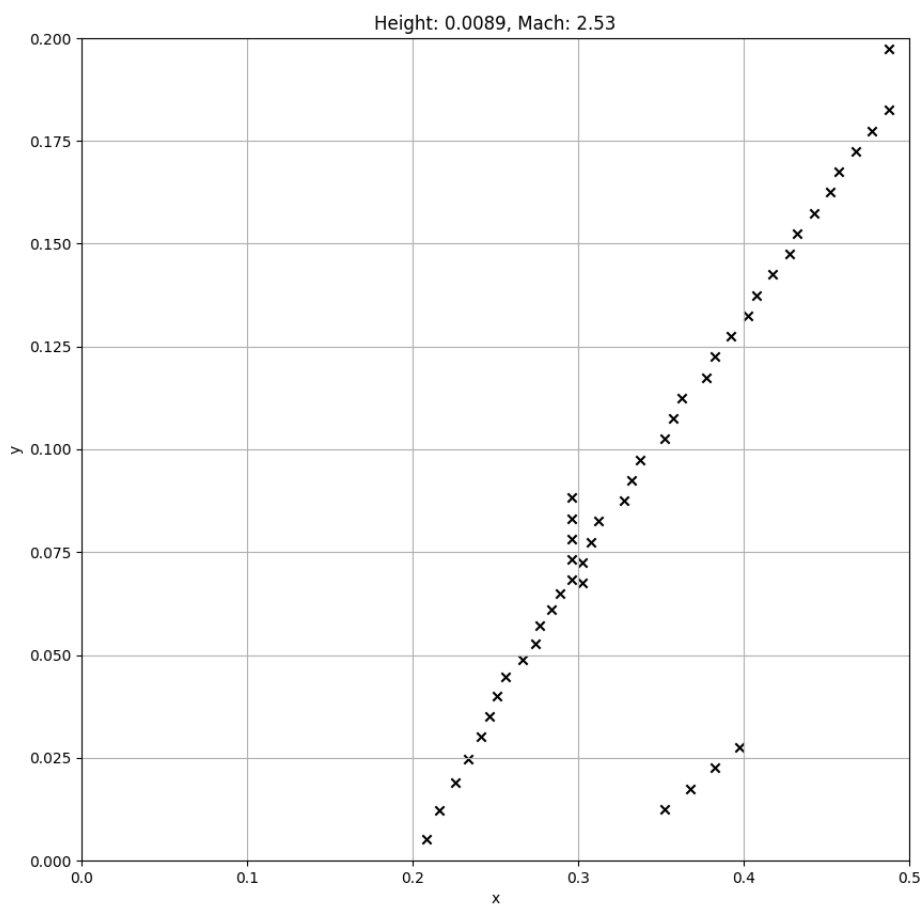


Figure 74: Mach 2.53

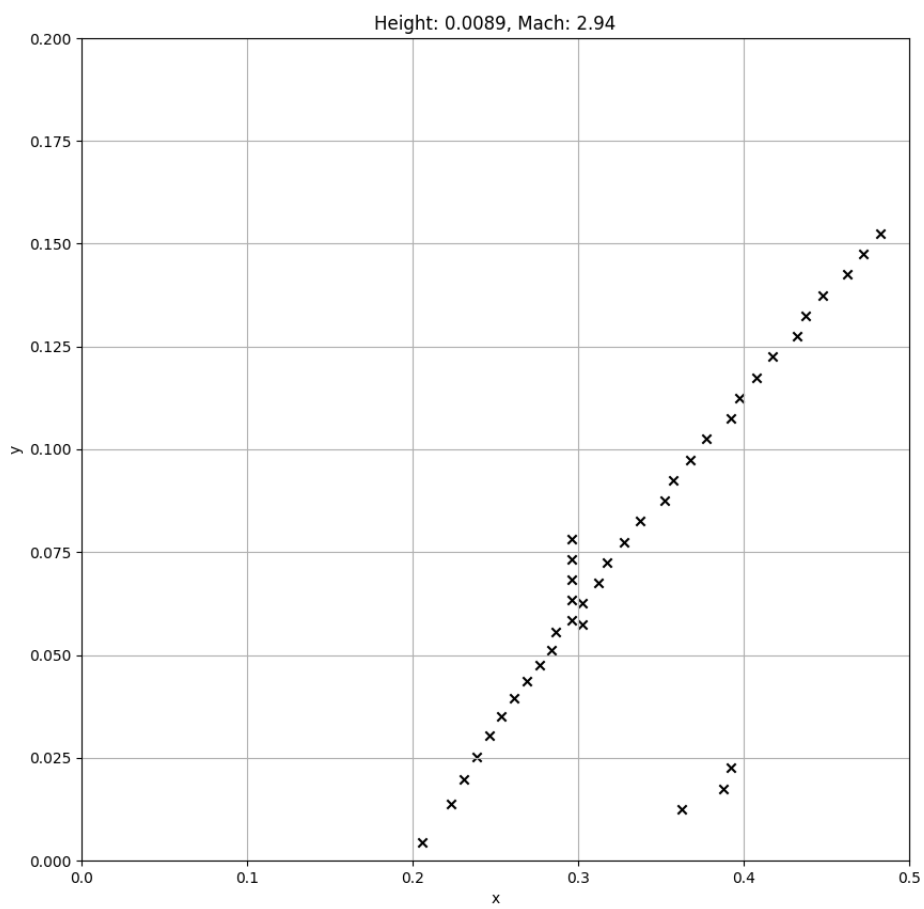


Figure 75: Mach 2.94

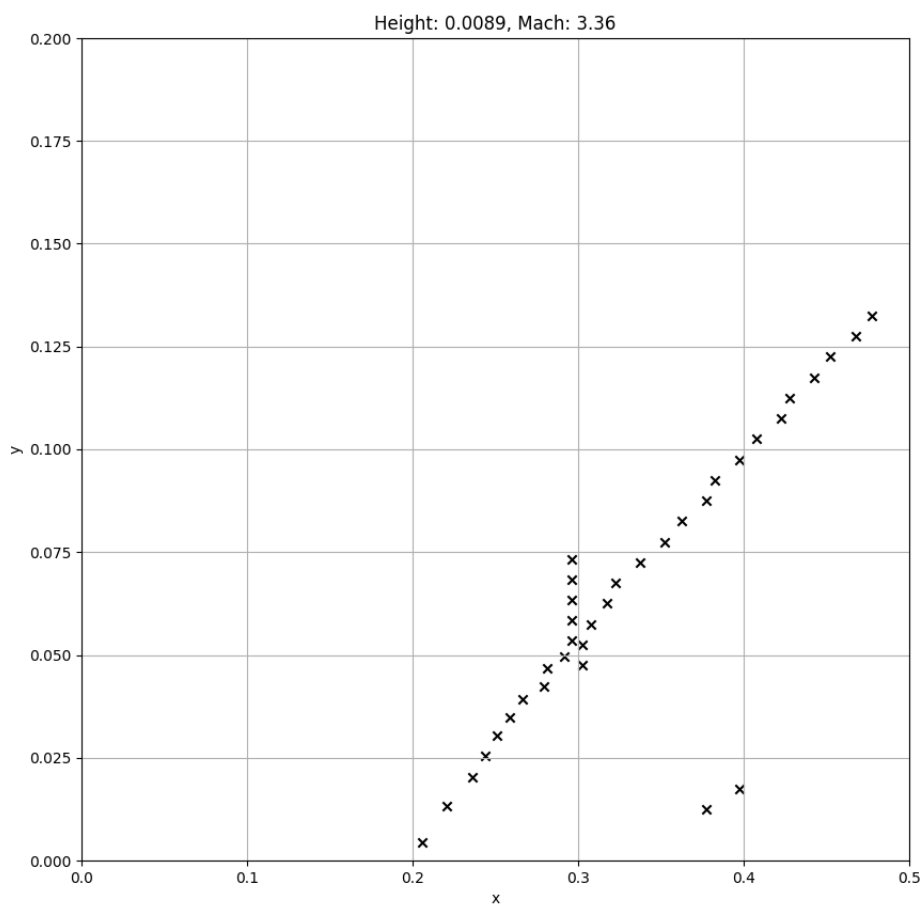


Figure 76: Mach 3.36

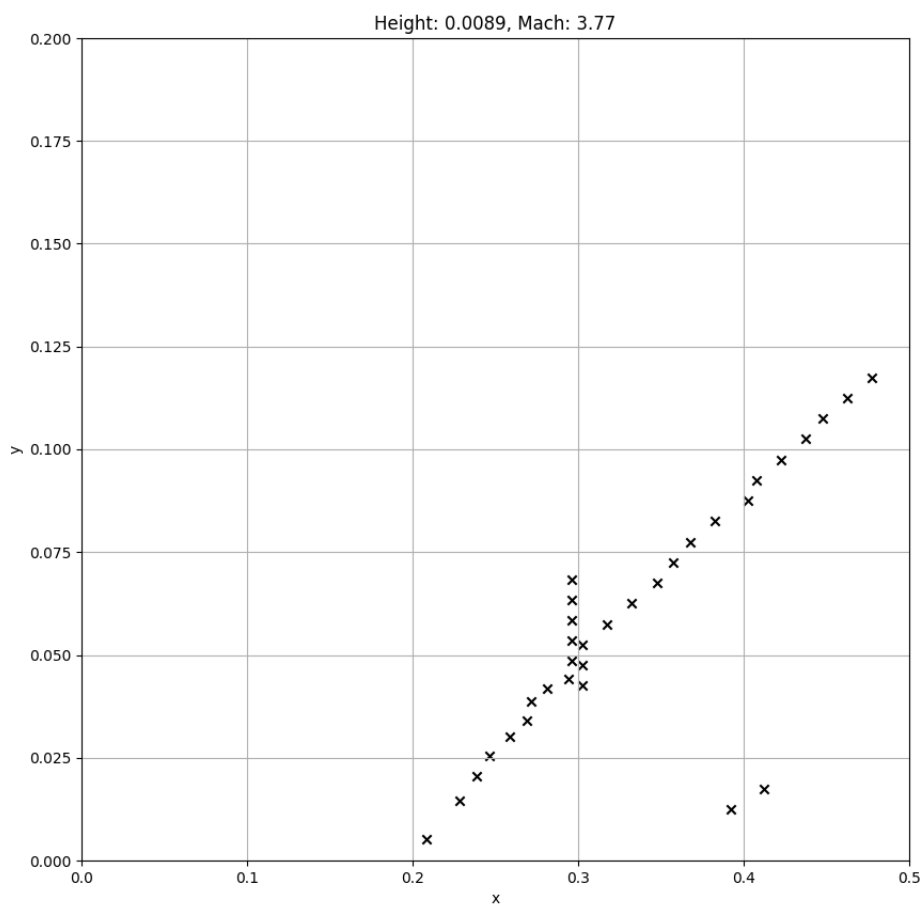


Figure 77: Mach 3.77

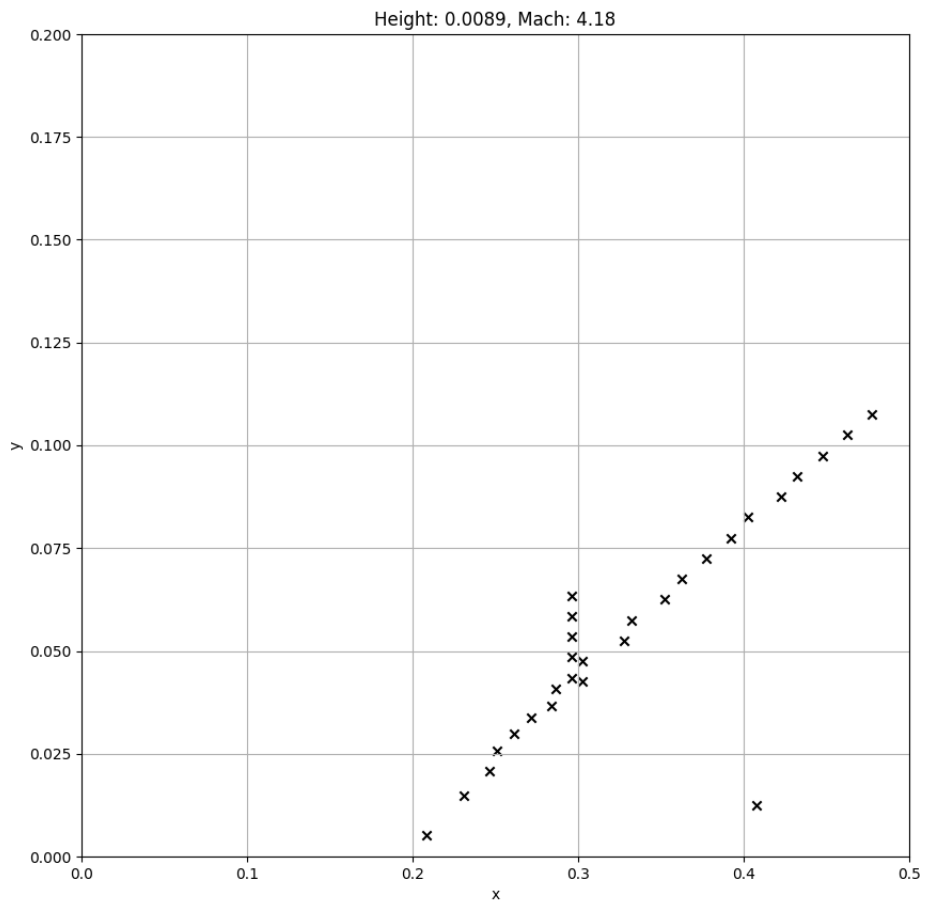


Figure 78: Mach 4.18



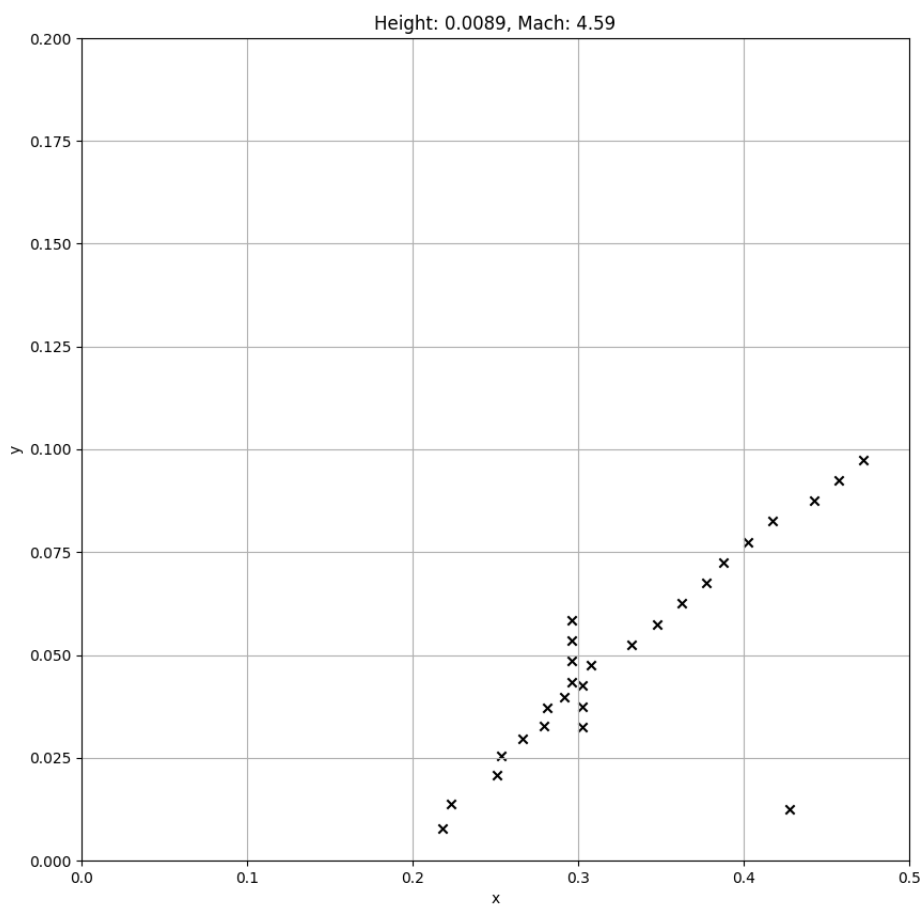


Figure 79: Mach 4.59

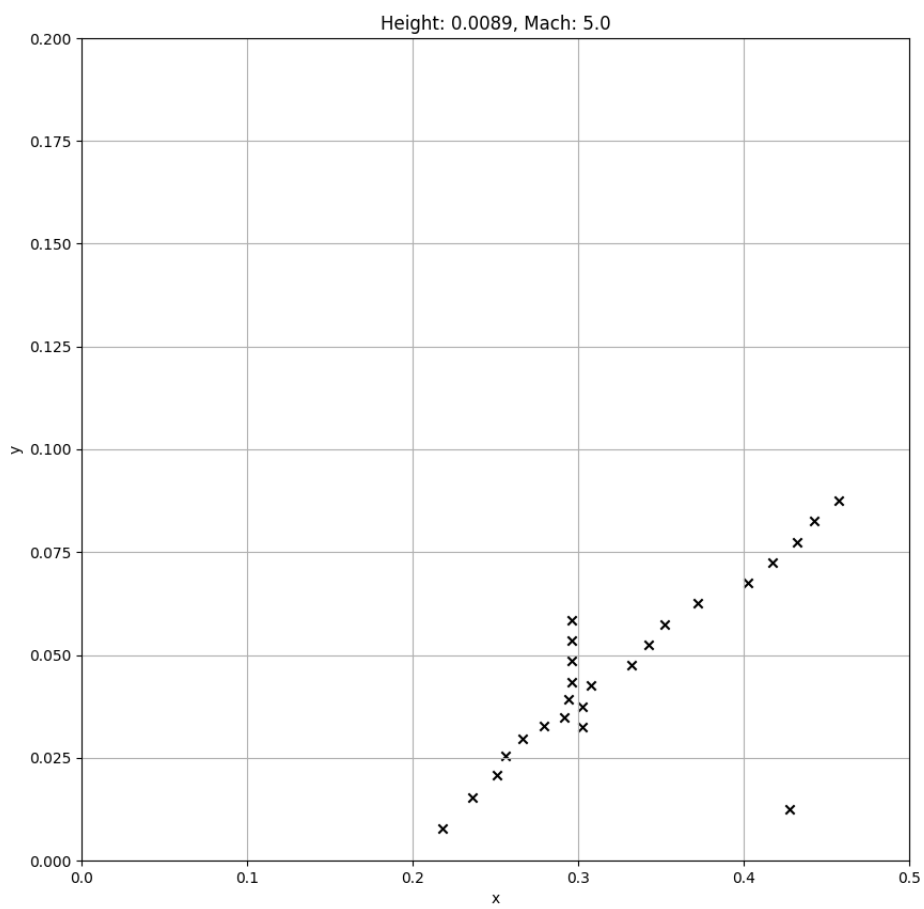


Figure 80: Mach 5.0

## 9 Height 0.0094

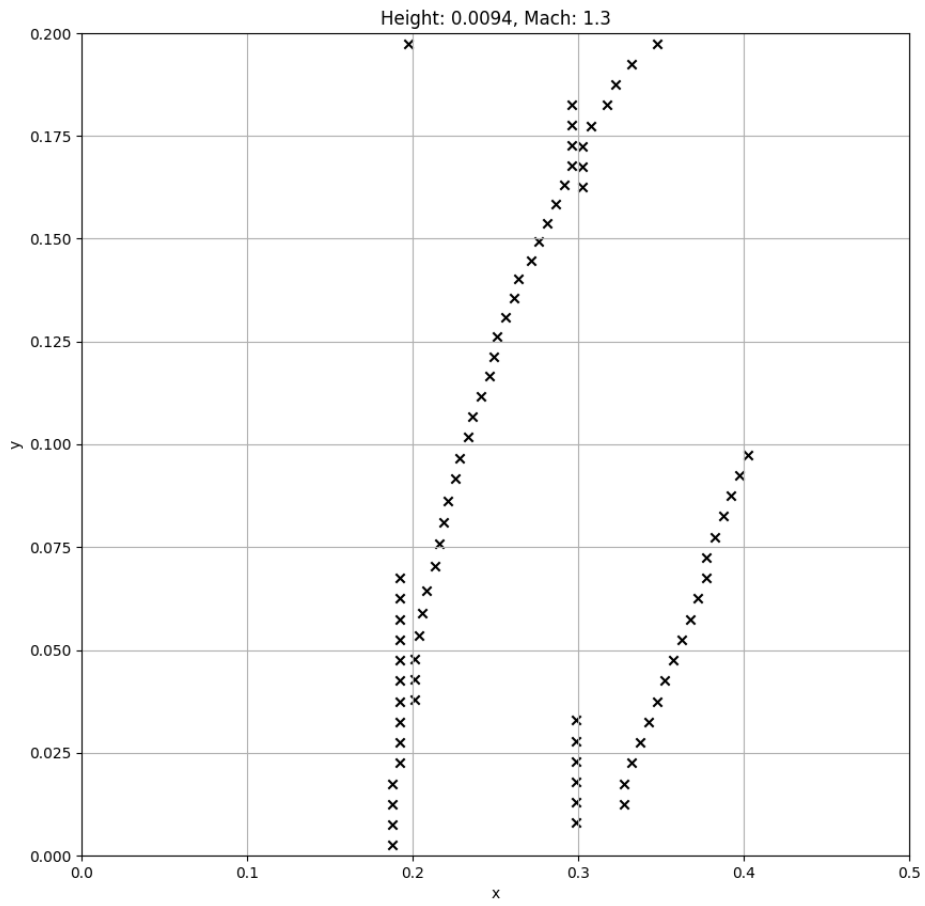


Figure 81: Mach 1.3

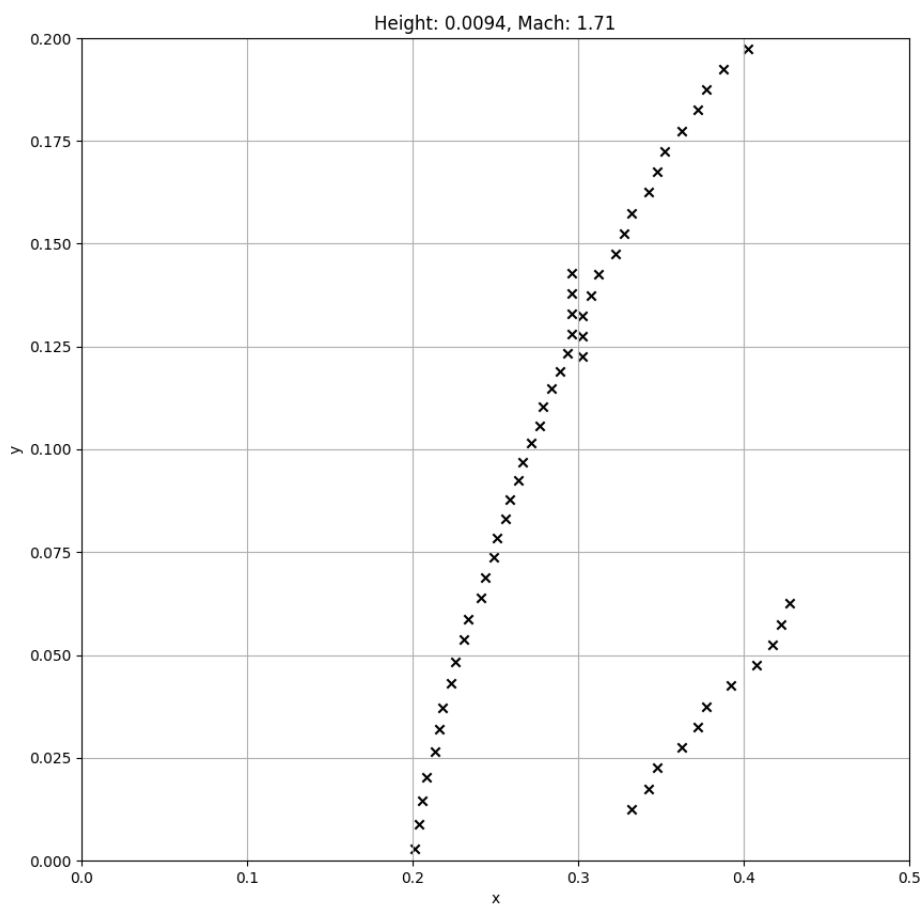


Figure 82: Mach 1.71

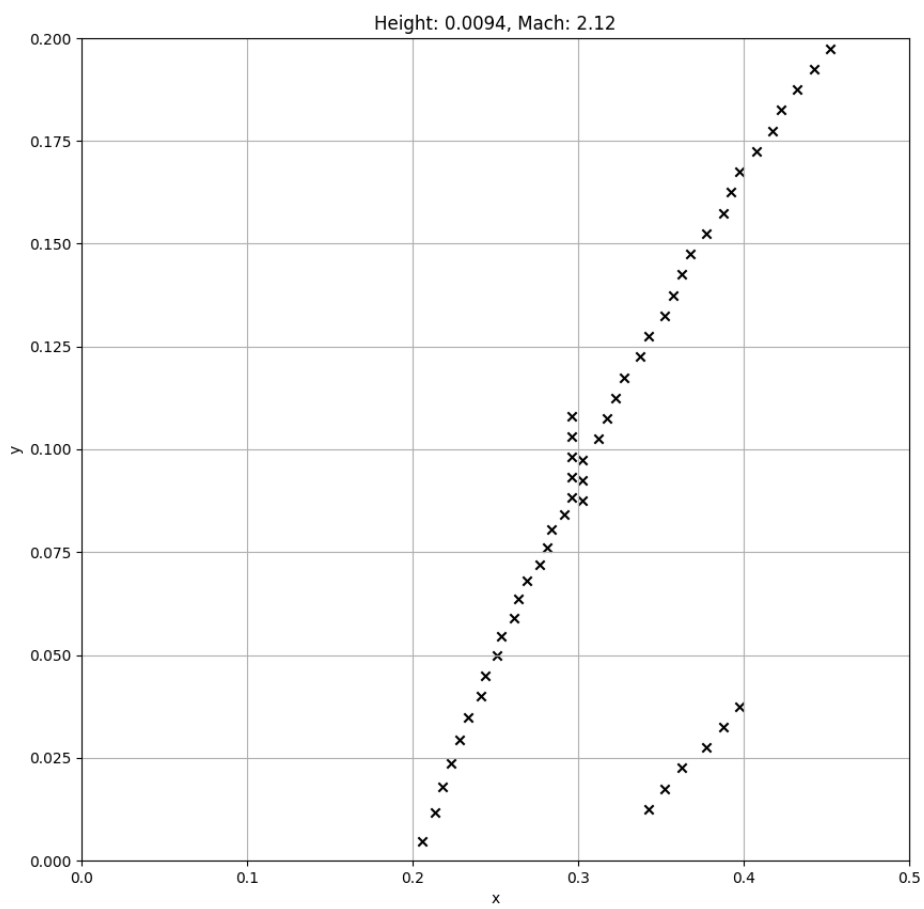


Figure 83: Mach 2.12

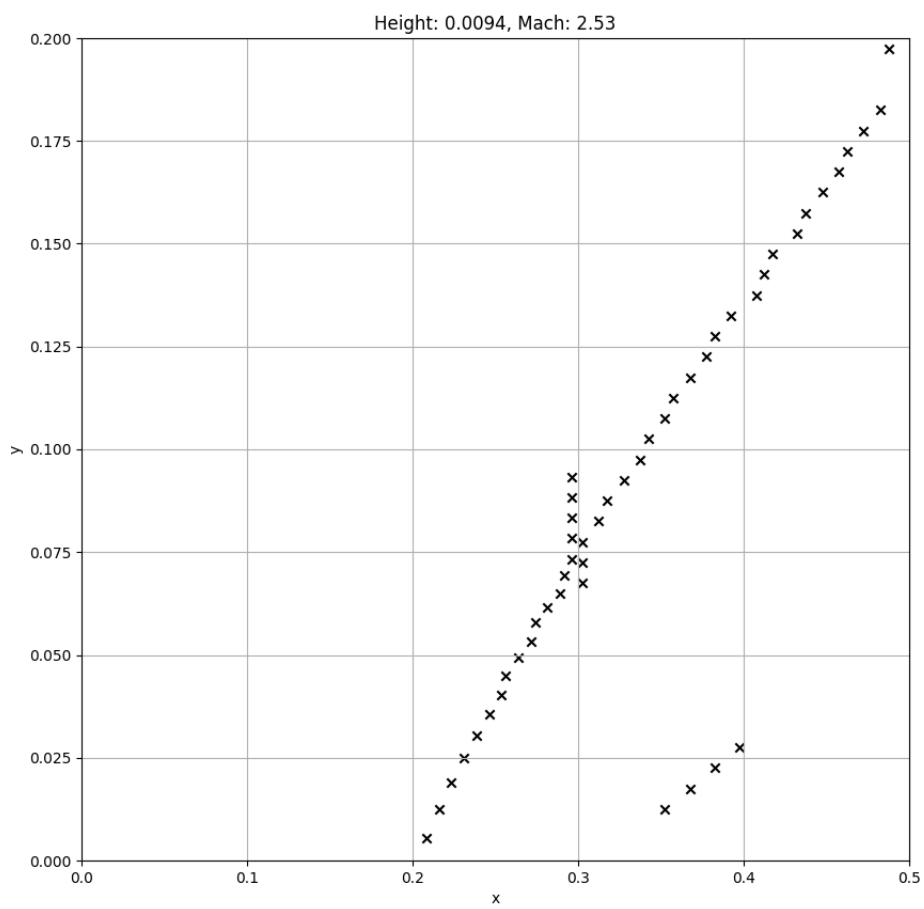


Figure 84: Mach 2.53

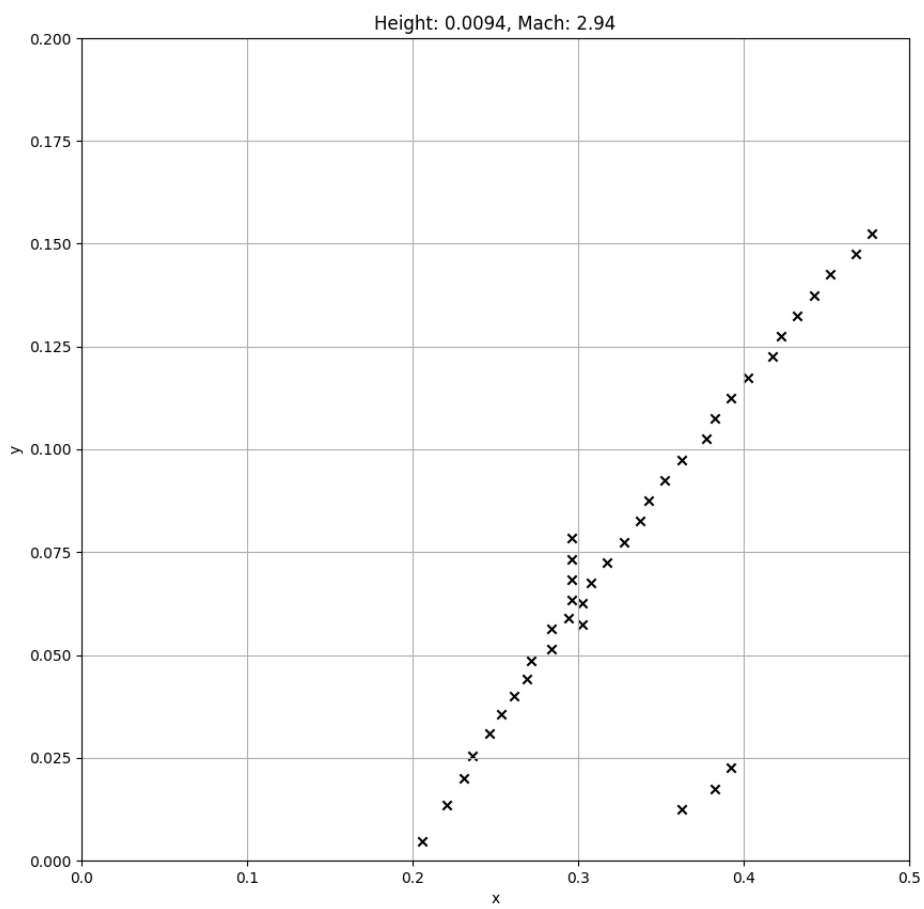


Figure 85: Mach 2.94

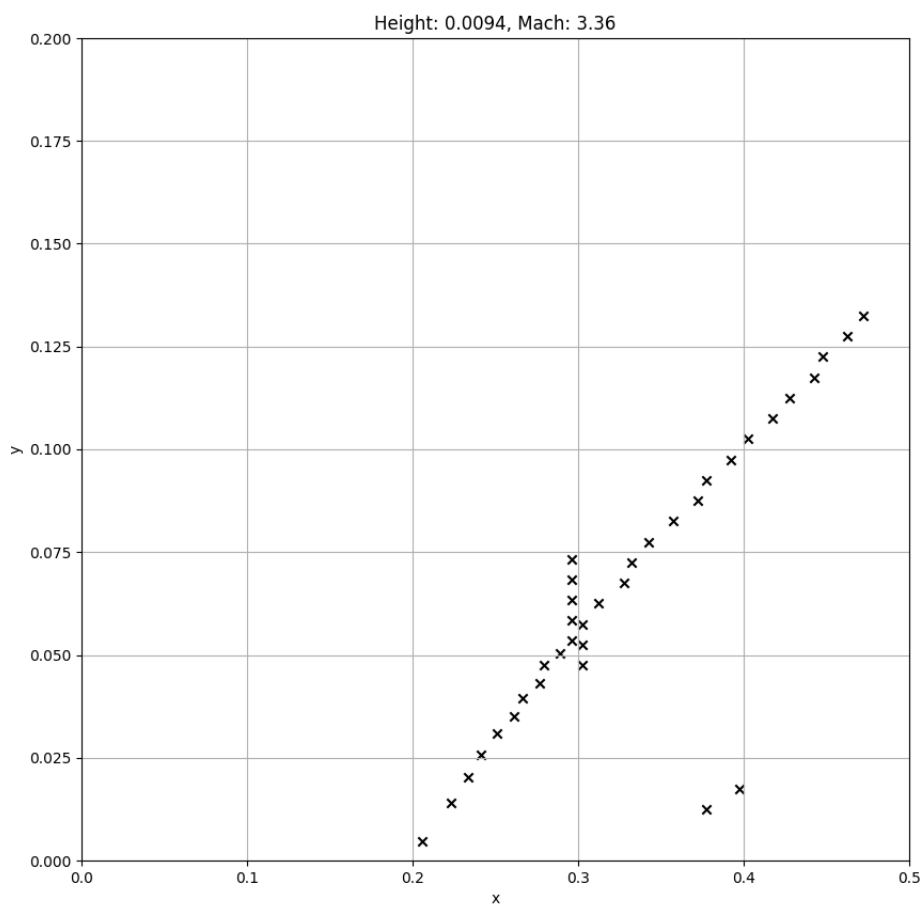


Figure 86: Mach 3.36



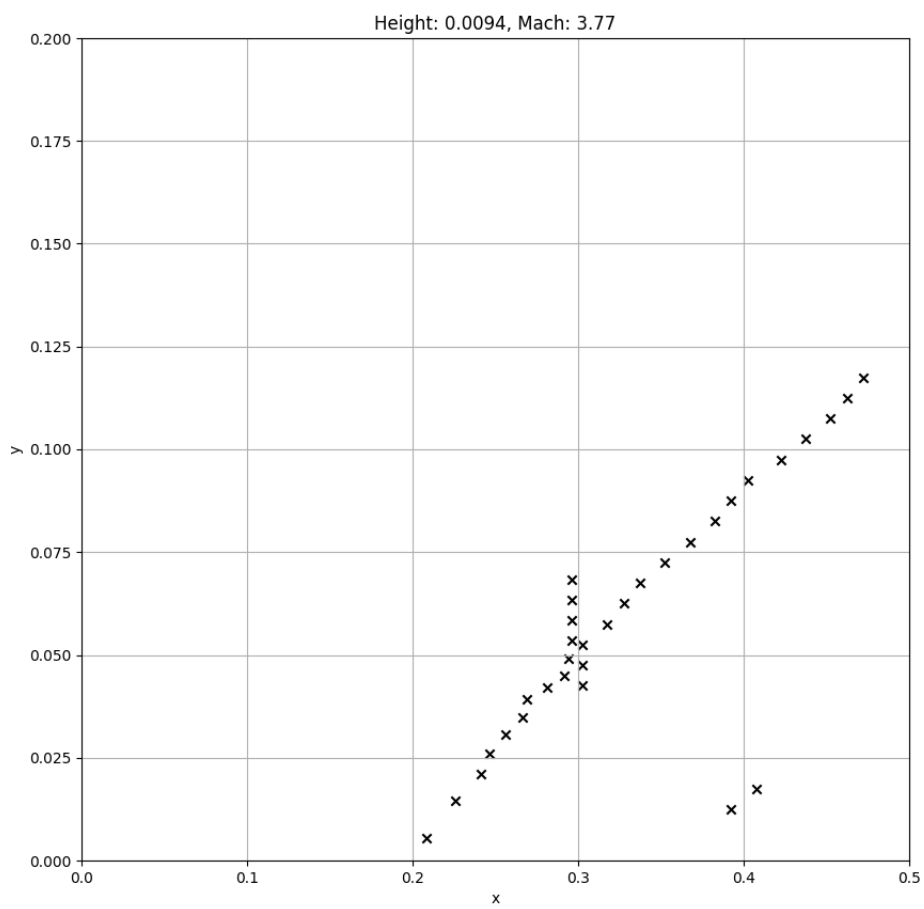


Figure 87: Mach 3.77

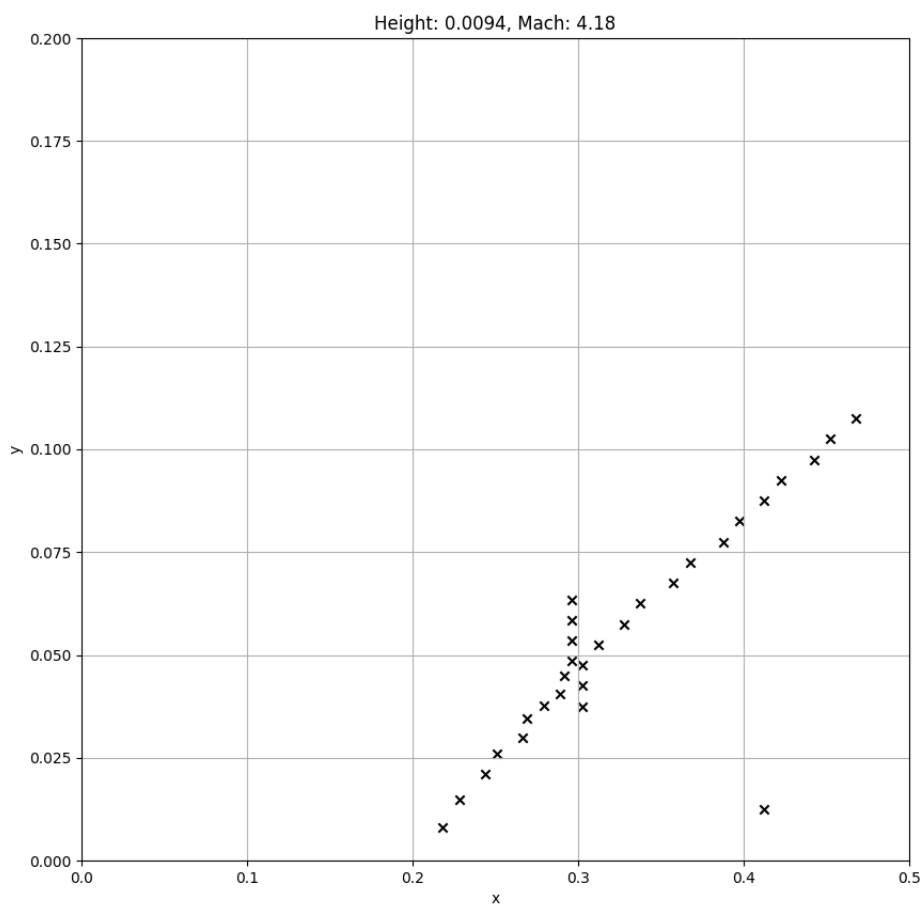


Figure 88: Mach 4.18

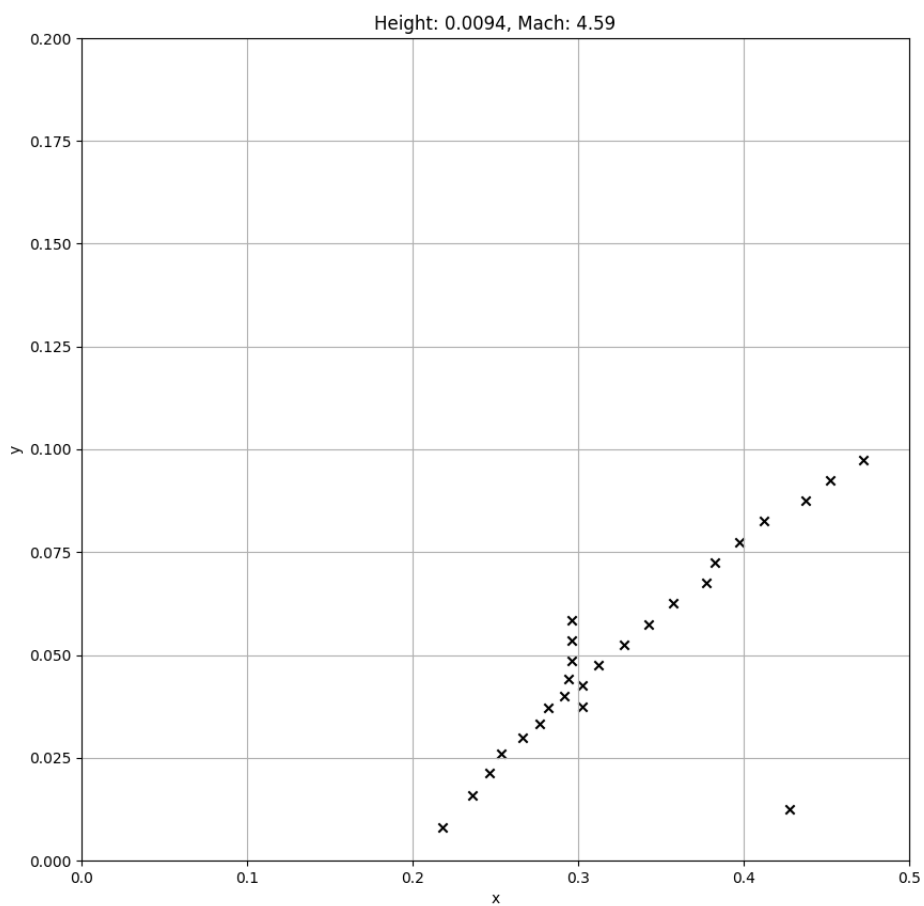


Figure 89: Mach 4.59

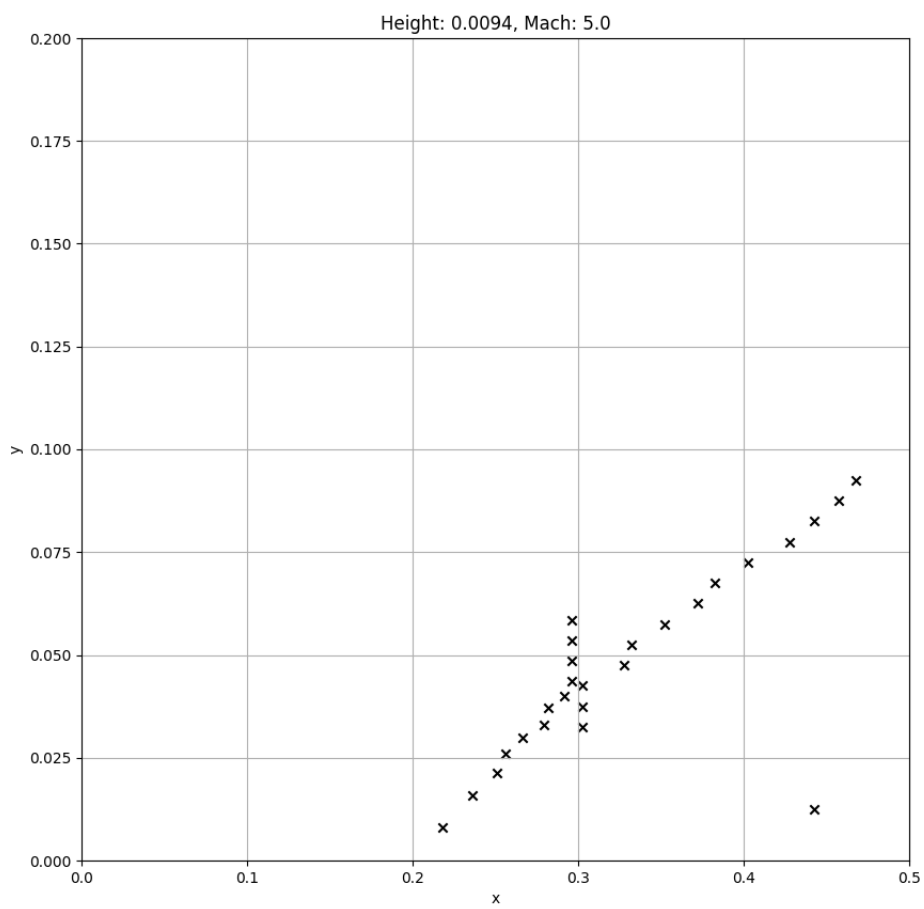


Figure 90: Mach 5.0

## 10 Height 0.01

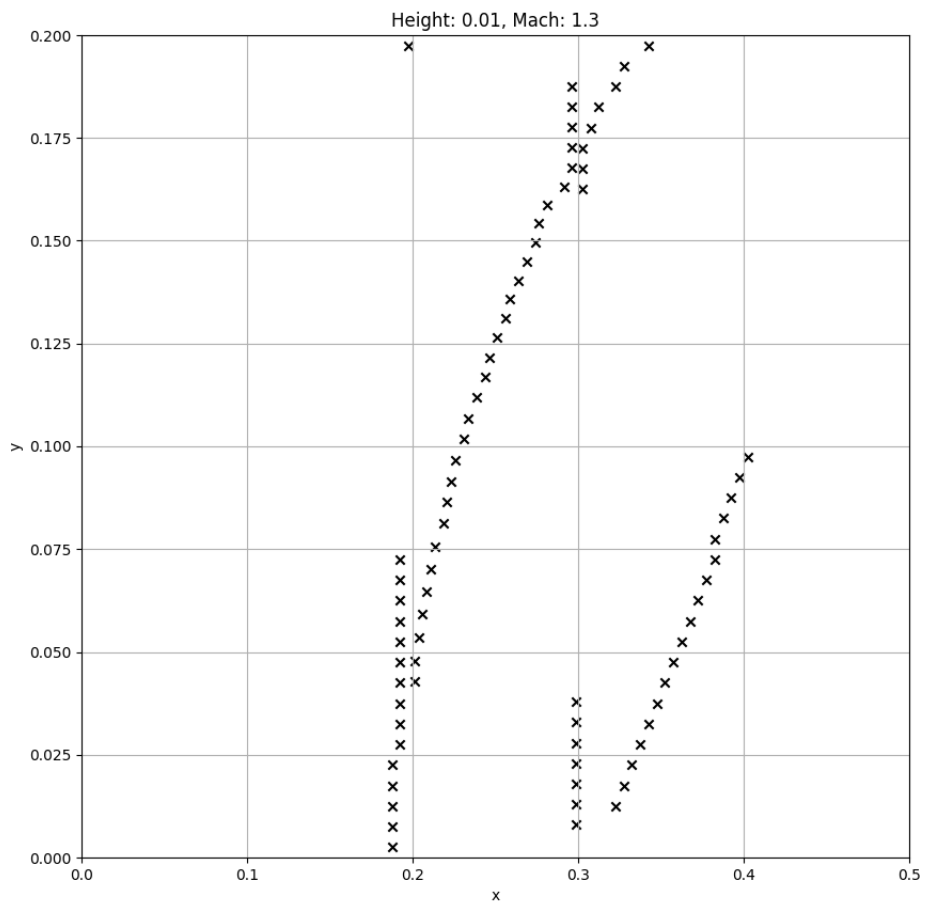


Figure 91: Mach 1.3

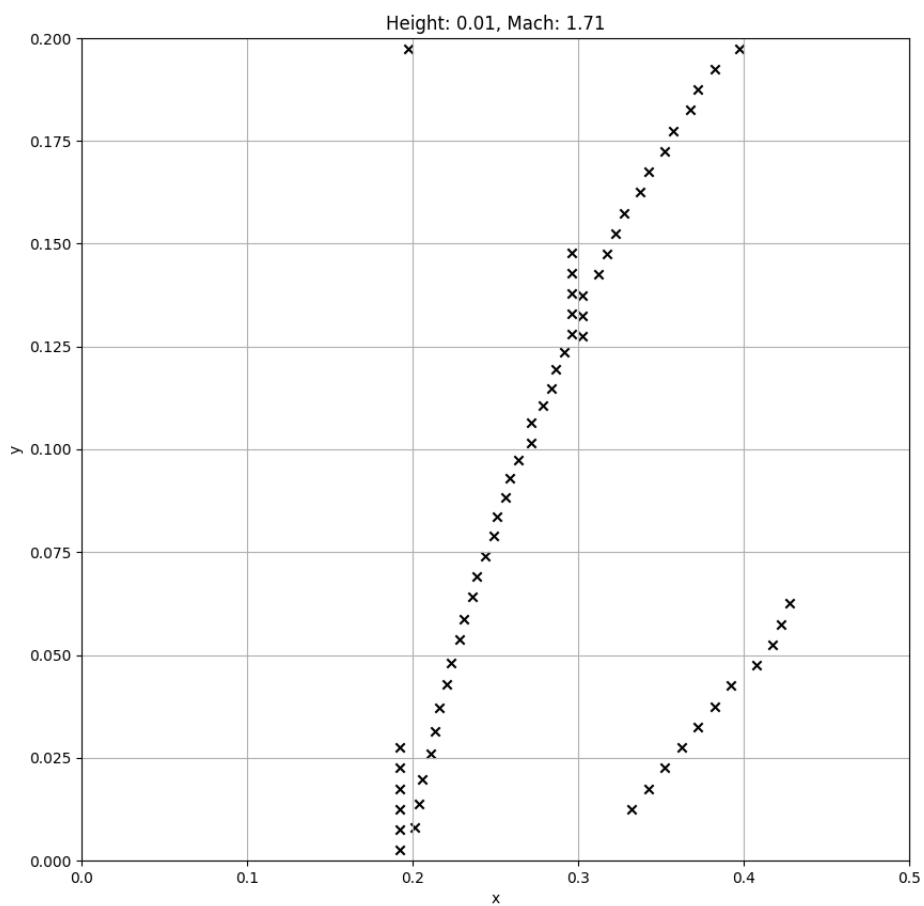


Figure 92: Mach 1.71

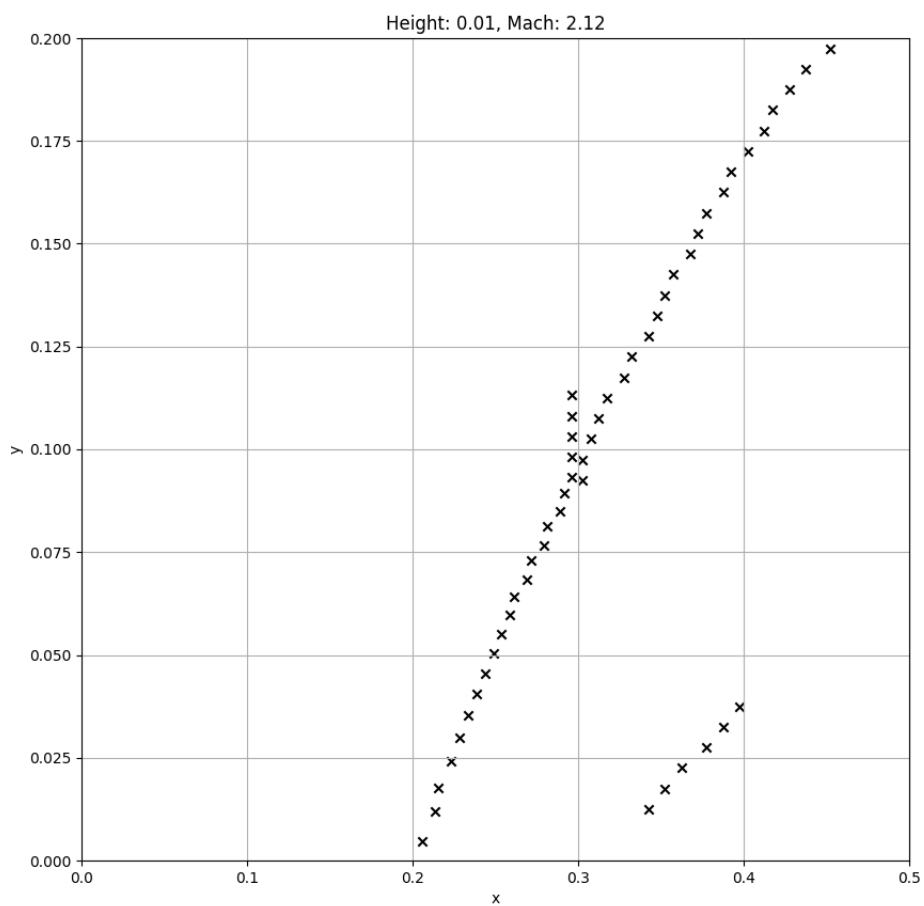


Figure 93: Mach 2.12

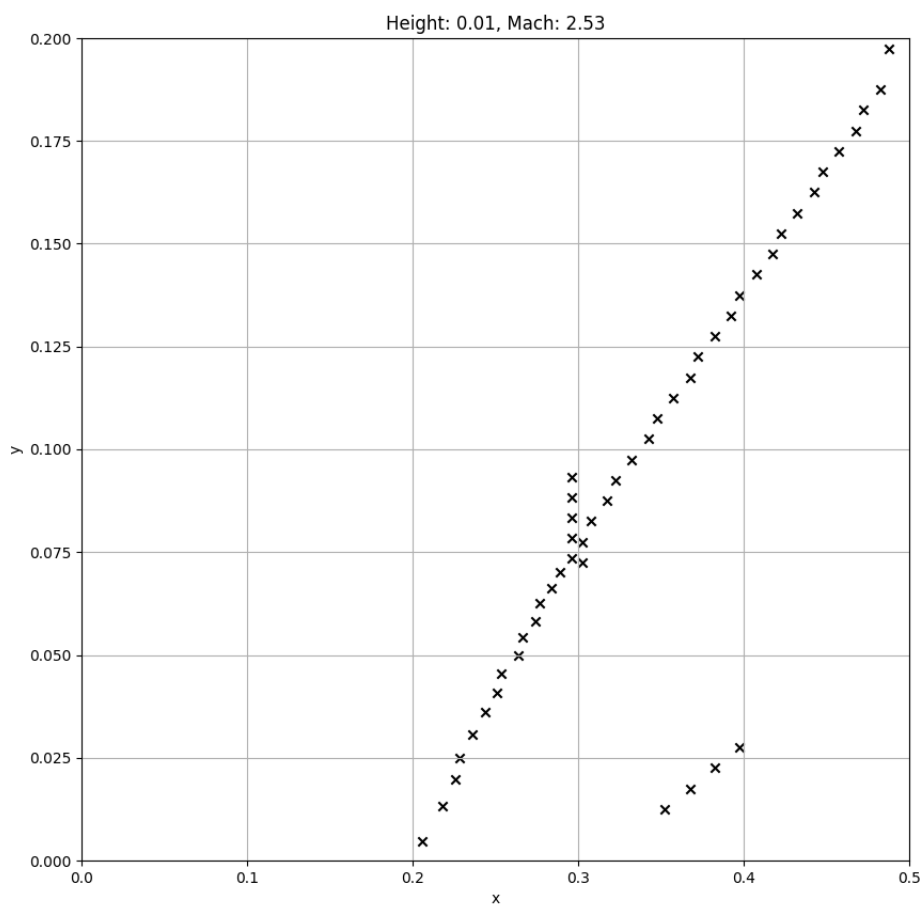


Figure 94: Mach 2.53



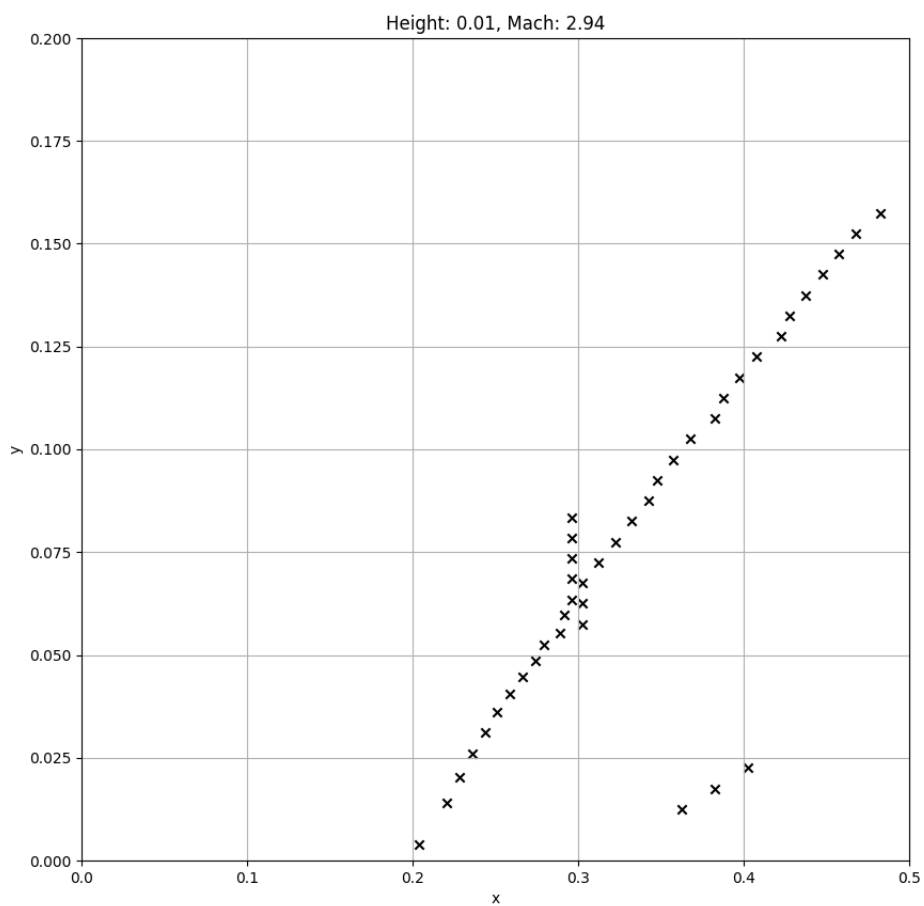


Figure 95: Mach 2.94

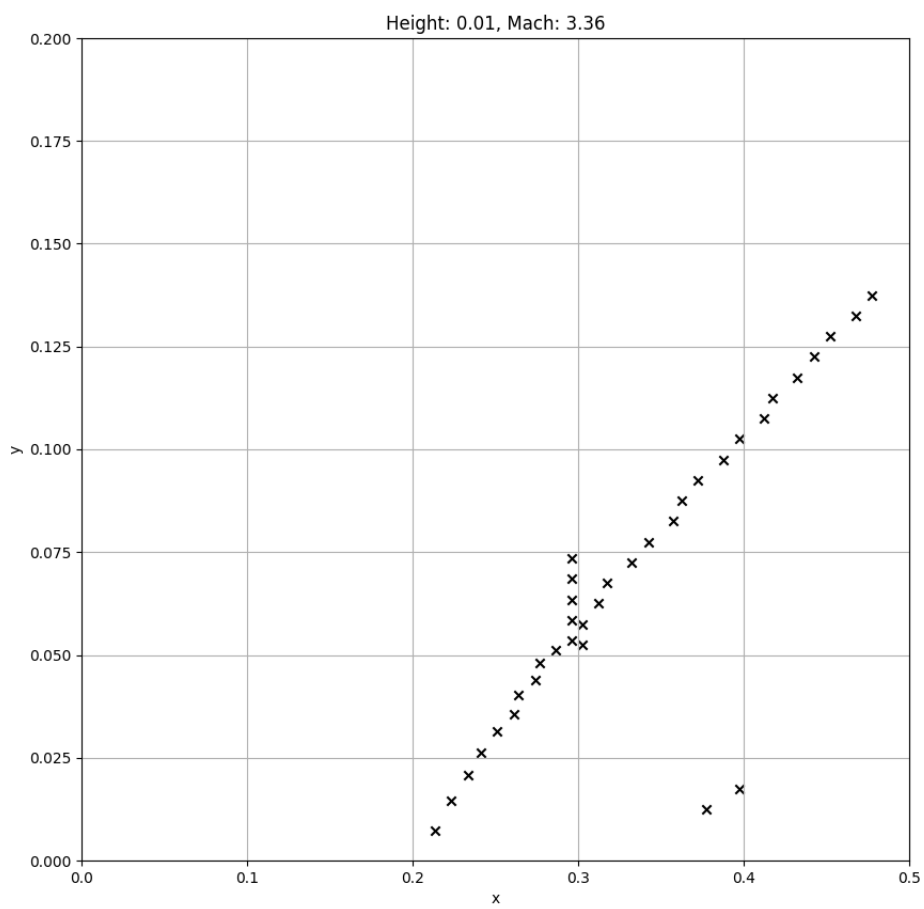


Figure 96: Mach 3.36

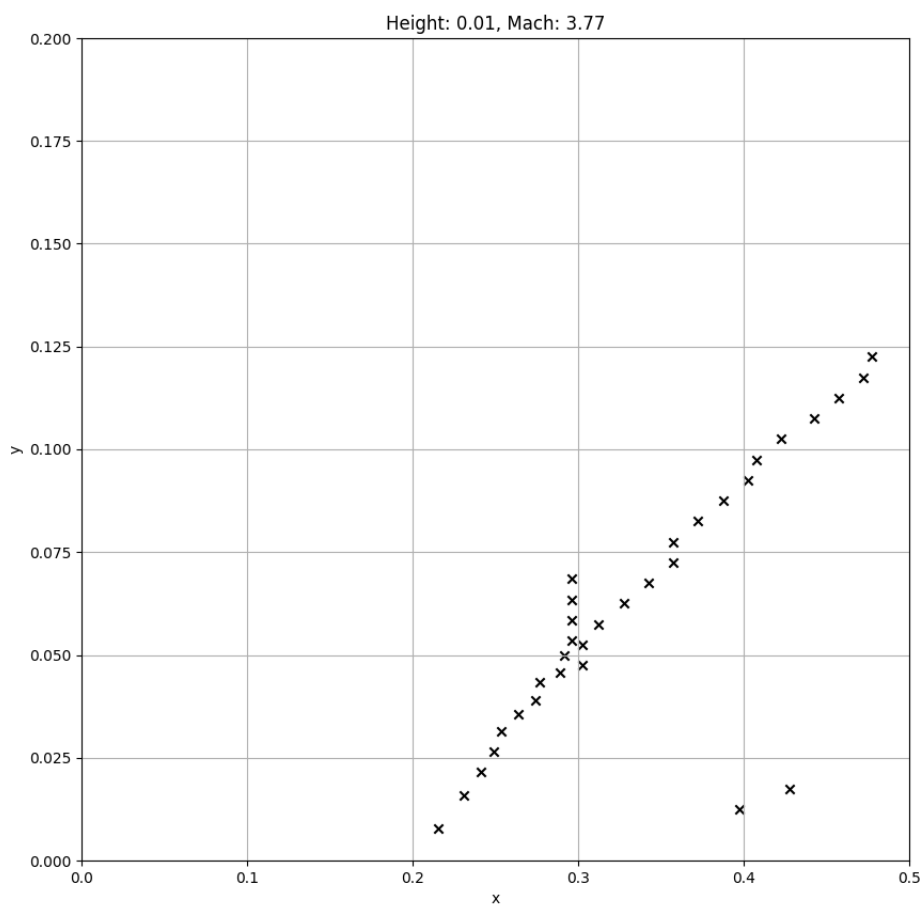


Figure 97: Mach 3.77

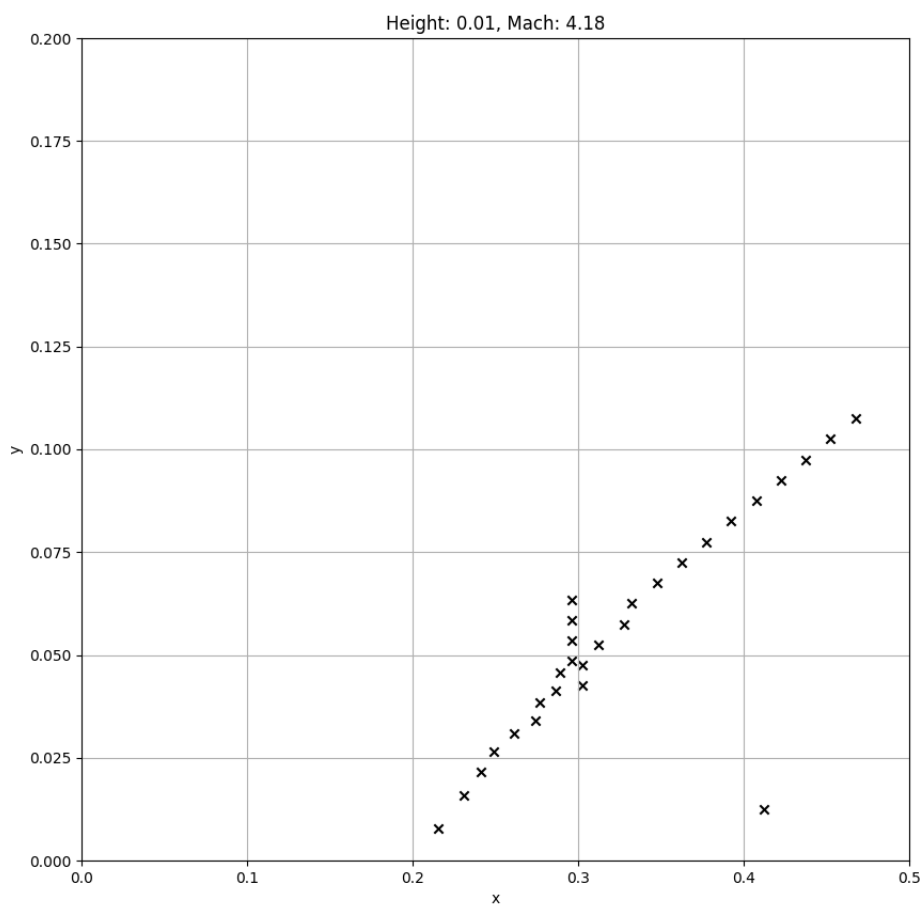


Figure 98: Mach 4.18

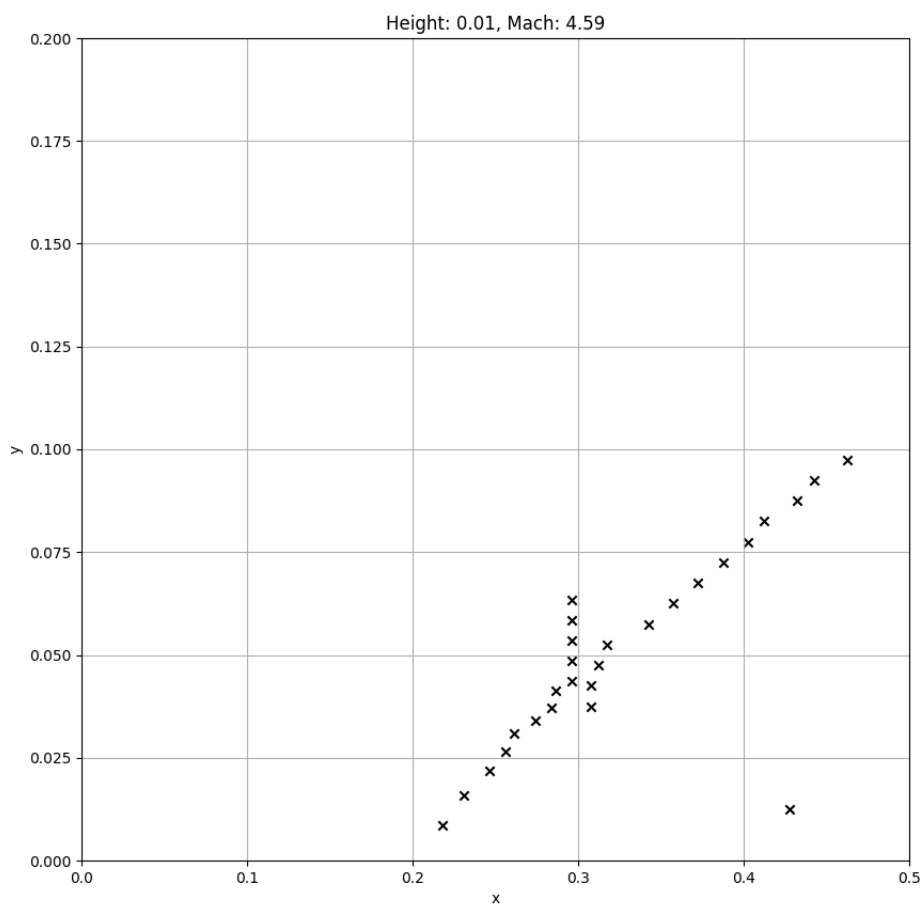


Figure 99: Mach 4.59

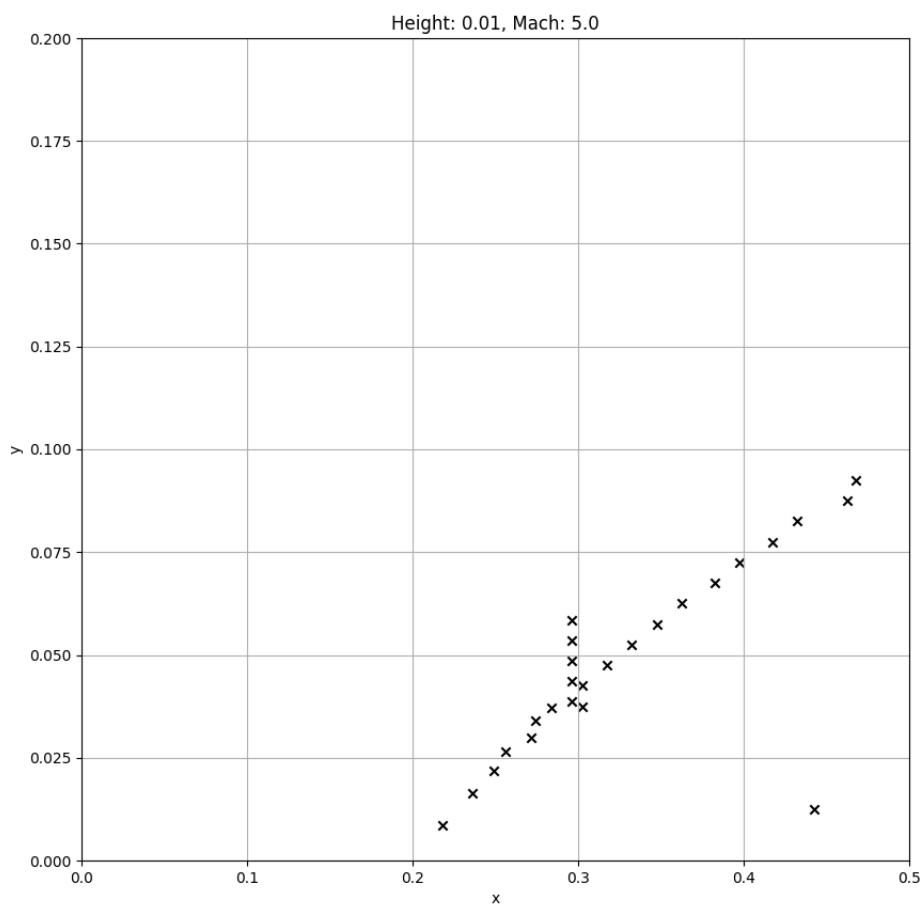


Figure 100: Mach 5.0