

Mean Velocities for all baffle configurations

(all x values in m and velocity values in m/s)

- **Spoiler Baffles – 333 Configuration: Flow rate = 100 L/s**

At $x = 5.77$

Mean $u = 0.9008$
Mean $v = 0.0662$
Mean $w_1 = -0.008$
Mean $w_2 = -0.0108$

At $x = 5.617$

Mean $u = 0.9371$
Mean $v = -0.0028$
Mean $w_1 = -0.0113$
Mean $w_2 = -0.0145$

GRAND MEAN

Mean $u = 0.9190$
Mean $v = 0.0317$
Mean $w_1 = -0.0096$
Mean $w_2 = -0.0127$

- **Spoiler Baffles – 333 Configuration: Flow rate = 150 L/s**

At $x = 5.77$

Mean $u = 0.8369$
Mean $v = 0.0469$
Mean $w_1 = -0.0155$
Mean $w_2 = -0.0191$

At $x = 5.617$

Mean $u = 1.0382$
Mean $v = 0.0147$
Mean $w_1 = -0.0142$
Mean $w_2 = -0.0173$

GRAND MEAN

Mean $u = 0.9375$
Mean $v = 0.0308$
Mean $w_1 = -0.0148$
Mean $w_2 = -0.0182$

- **Spoiler Baffles – 212 Configuration: Flow rate = 100 L/s**

At $x = 5.77$

Mean u = 1.0132
Mean v = 0.0482
Mean w1 = -0.0258
Mean w2 = -0.0283

At x = 5.617

Mean u = 1.0610
Mean v = 0.0122
Mean w1 = -0.0320
Mean w2 = -0.0342

At x = 5.363

Mean u = 0.9025
Mean v = 0.0317
Mean w1 = -0.0062
Mean w2 = -0.0079

At x = 5.211

Mean u = 0.8848
Mean v = -0.0148
Mean w1 = 0.0021
Mean w2 = 0.0015

GRAND MEAN

Mean u = 0.9654
Mean v = 0.0193
Mean w1 = -0.0155
Mean w2 = -0.0172

- **Spoiler Baffles – 212 Configuration: Flow rate = 150 L/s**

At x = 5.77

Mean u = 1.0299
Mean v = 0.0641
Mean w1 = -0.0105
Mean w2 = -0.0139

At x = 5.617

Mean u = 1.2855
Mean v = 0.0390
Mean w1 = -0.0083
Mean w2 = -0.0125

At x = 5.363

Mean u = 1.2428
Mean v = 0.0285
Mean w1 = -0.0428

Mean w2 = -0.0466

At x = 5.211

Mean u = 1.0535

Mean v = -0.0115

Mean w1 = -0.0268

Mean w2 = -0.0295

GRAND MEAN

Mean u = 1.1530

Mean v = 0.0300

Mean w1 = -0.0221

Mean w2 = -0.0257

- **Weir Baffles: Flow rate = 100 L/s**

At x = 5.77

Mean u = 0.3188

Mean v = 0.0829

Mean w1 = 0.0044

Mean w2 = 0.0021

At x = 5.617

Mean u = 0.3983

Mean v = 0.0405

Mean w1 = -0.0041

Mean w2 = -0.0067

GRAND MEAN

Mean u = 0.3586

Mean v = 0.0617

Mean w1 = 1.1273e-04

Mean w2 = -0.0023

- **Weir Baffles: Flow rate = 150 L/s**

At x = 5.77

Mean u = 0.1831

Mean v = 0.0504

Mean w1 = 0.0069

Mean w2 = 0.0056

At x = 5.617

Mean u = 0.2331

Mean v = 0.0202

Mean w1 = -0.0058

Mean w2 = -0.0061

GRAND MEAN

Mean u = 0.2081

Mean v = 0.0353

Mean w1 = 5.4344e-04

Mean w2 = -2.7594e-04