Appendix 3B – Full Coefficient of Pressure results for the SUV wind Tunnel Testing

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0 Degree Testing

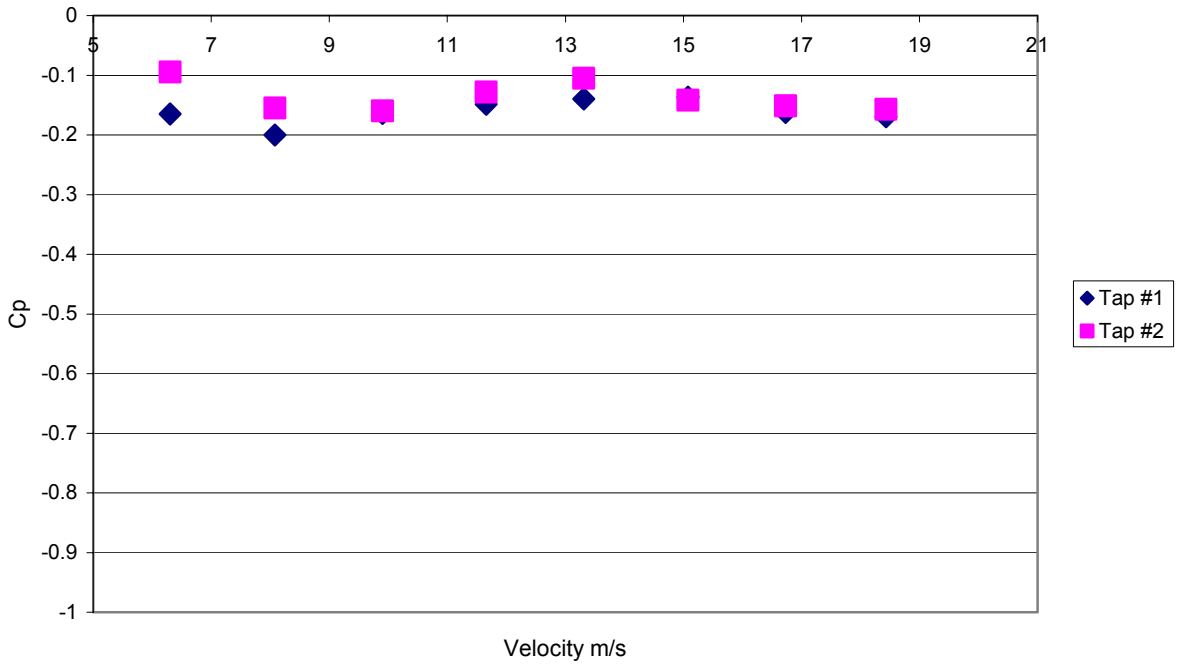

Figure 1- 0 Deg. Coefficient of Pressure vs. Velocity on the rear of the model

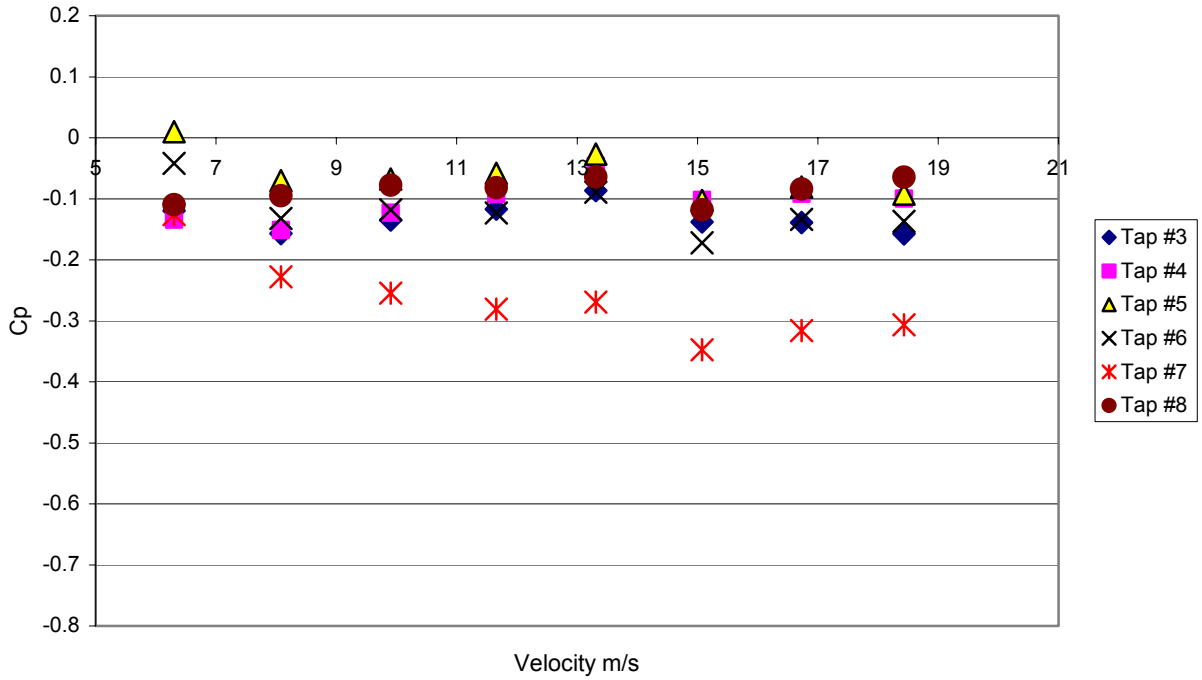

Figure 2– 0 Deg. Coefficient of Pressure vs. Velocity on the side of the model

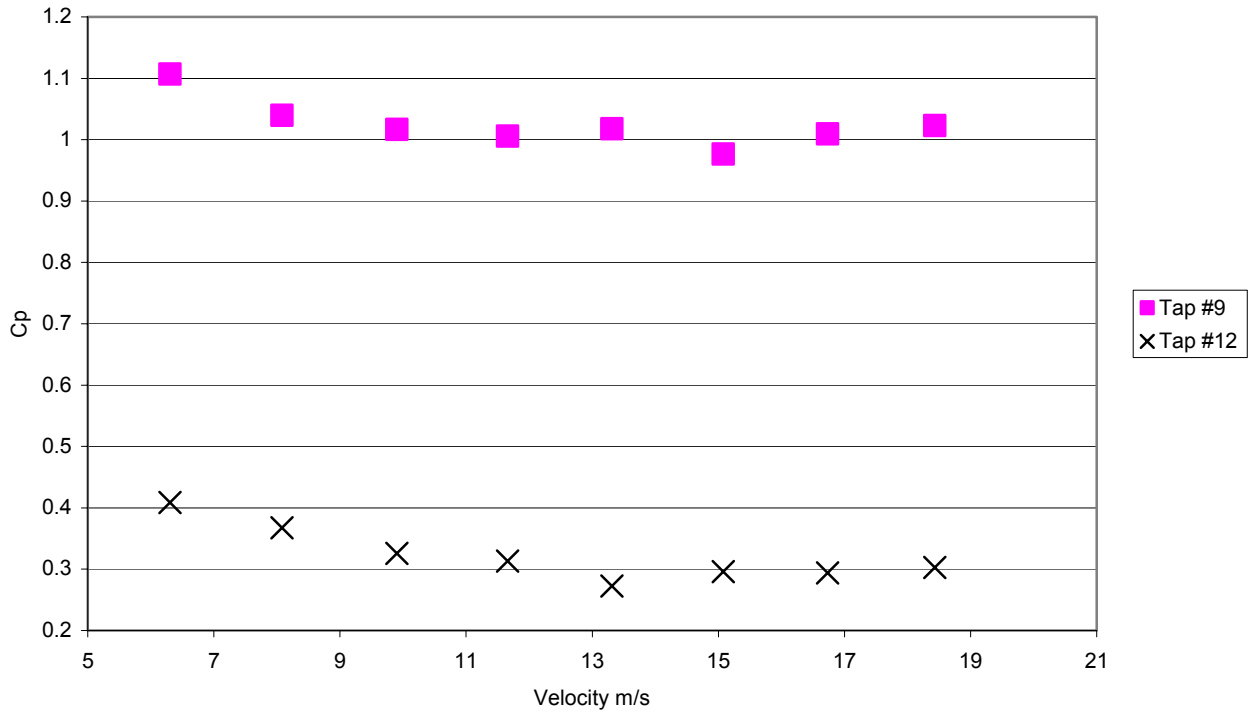

Figure 3 – 0 Deg. Coefficient of Pressure vs. Velocity on the front of the model

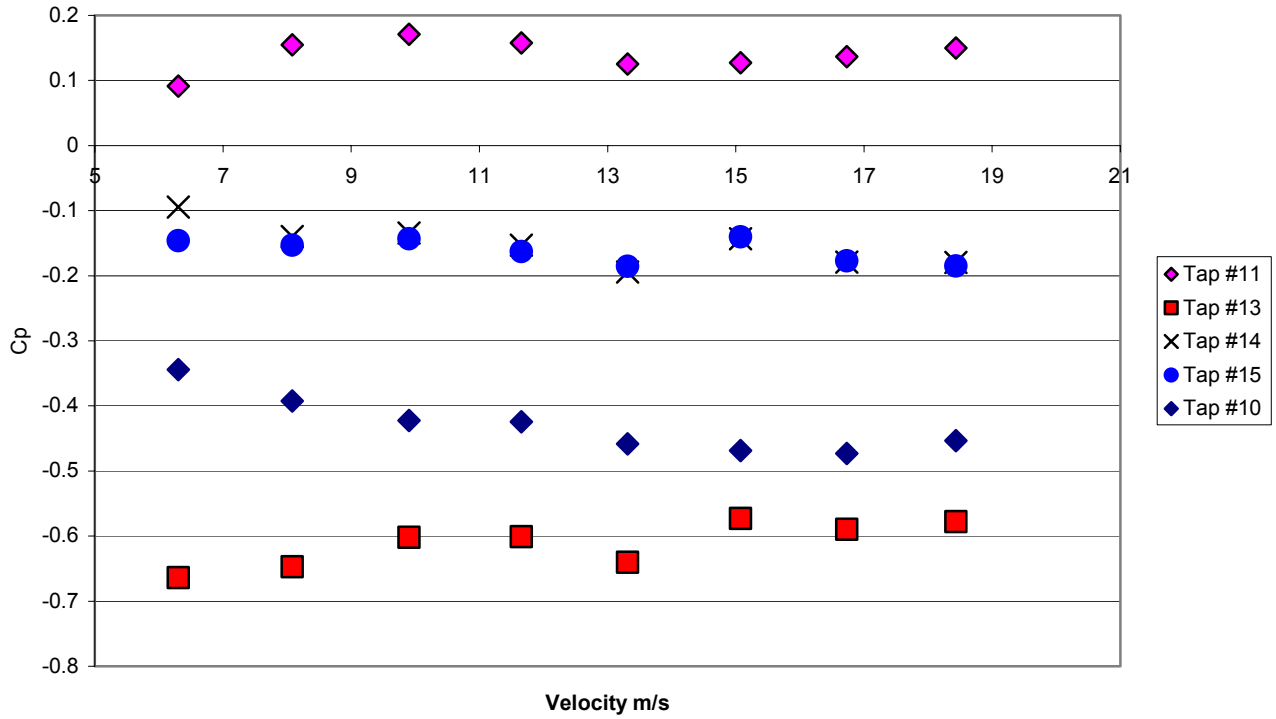

Figure 4 – 0 Deg. Coefficient of Pressure vs. Velocity on the top of the model

25 Degree Testing

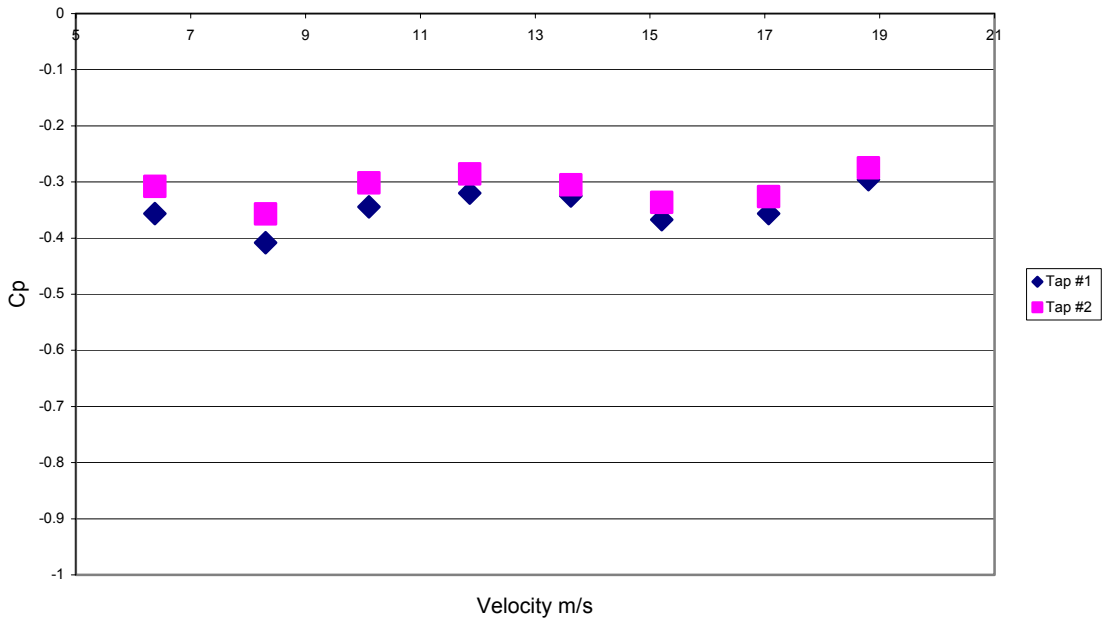

Figure 5- 25 Deg Coefficient of Pressure vs. Velocity on the rear of the model

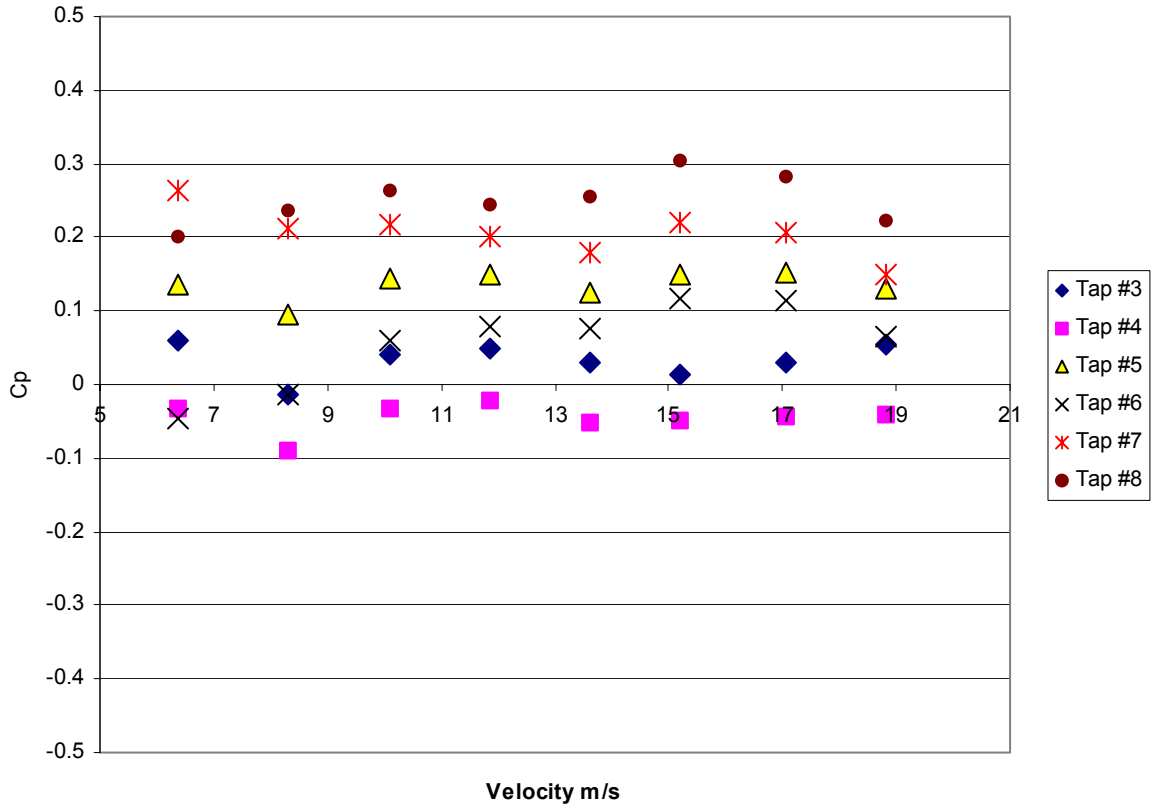

Figure 6- 25 Deg Coefficient of Pressure vs. Velocity on the side of the model

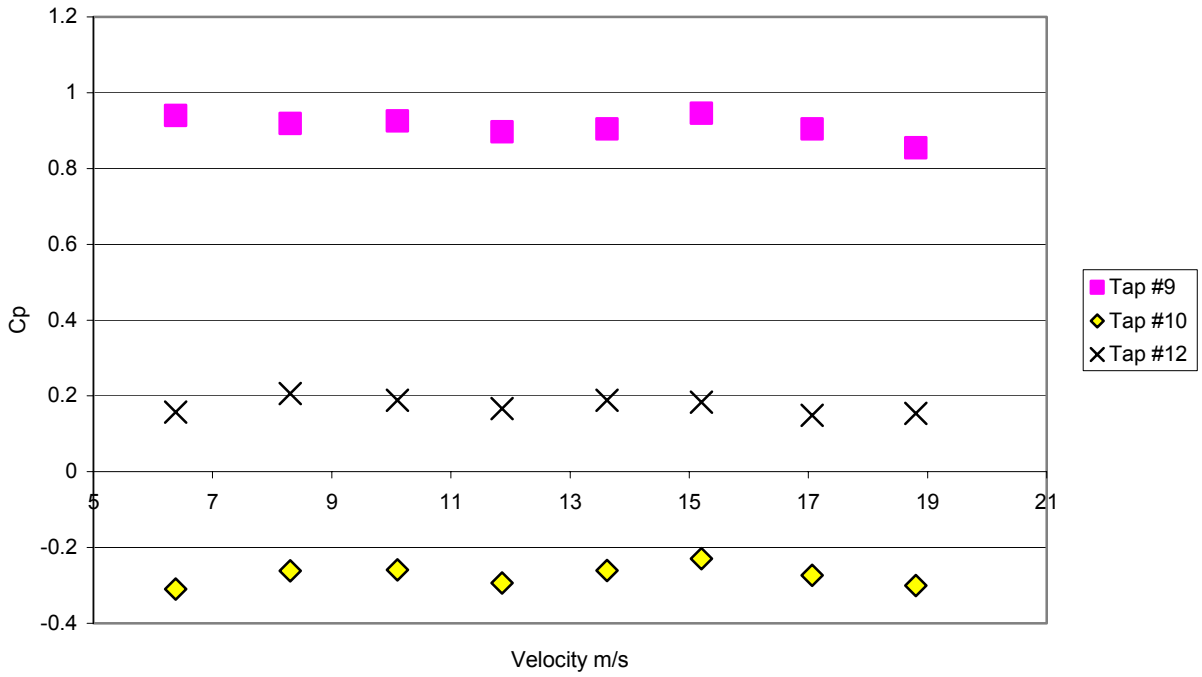

Figure 7- 25 Deg Coefficient of Pressure vs. Velocity on the front of the model

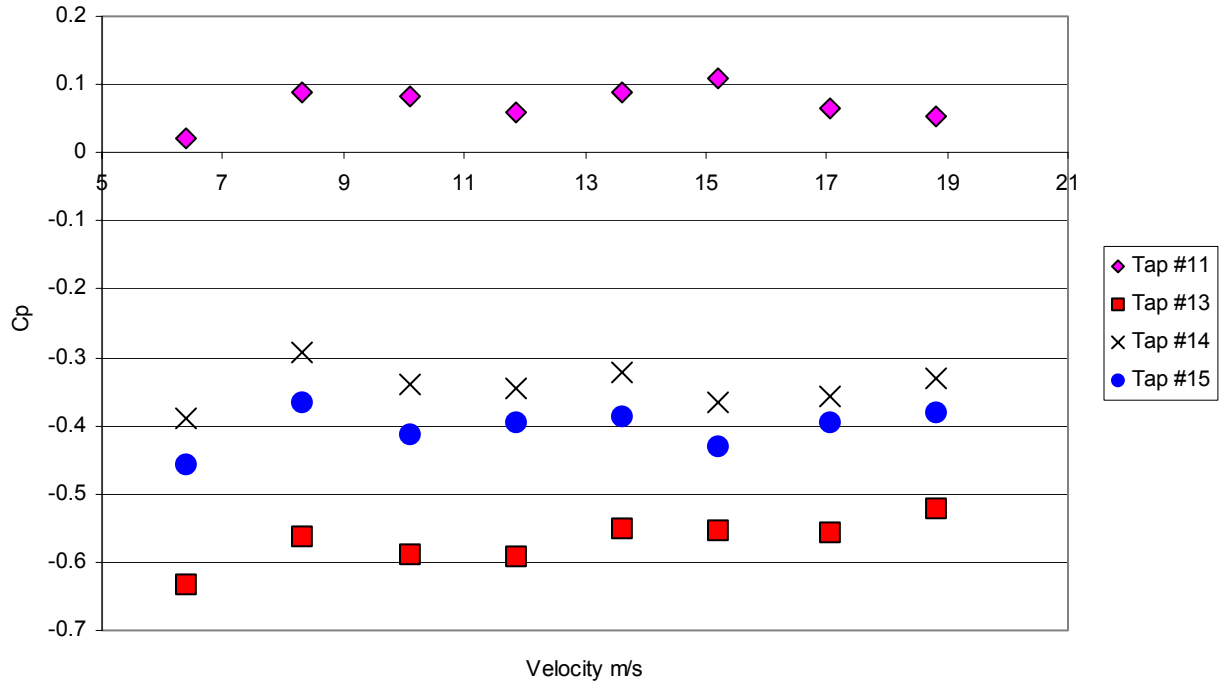

Figure 8- 25 Deg Coefficient of Pressure vs. Velocity on the Top of the model

Negative 25 Degree Testing

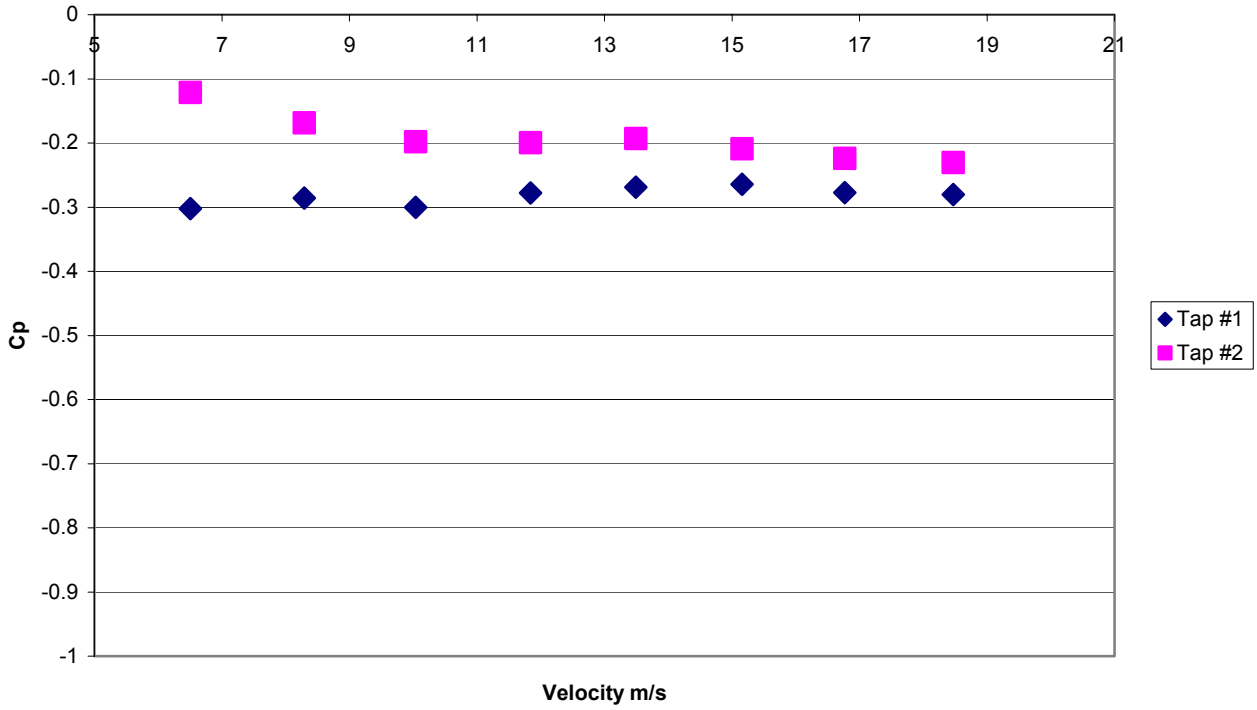

Figure 9- Neg. 25 Deg. Coefficient of Pressure vs. Velocity on the Rear of the model

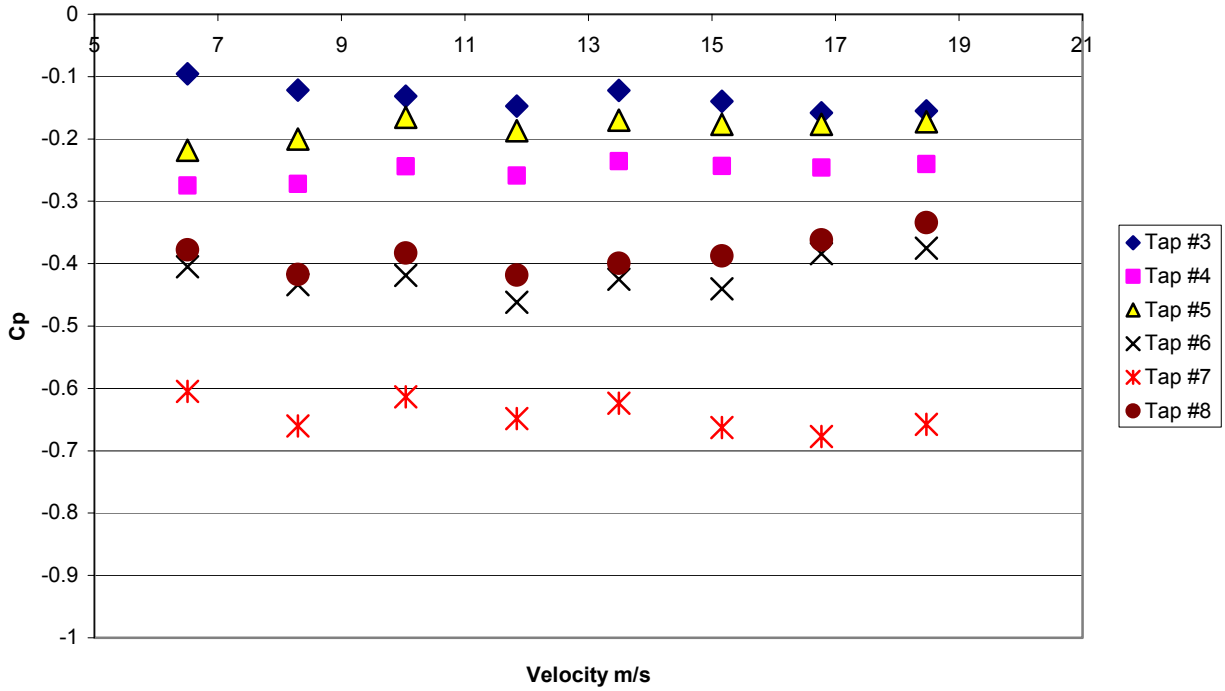

Figure 10- Neg. 25 Deg. Coefficient of Pressure vs. Velocity on the side of the model

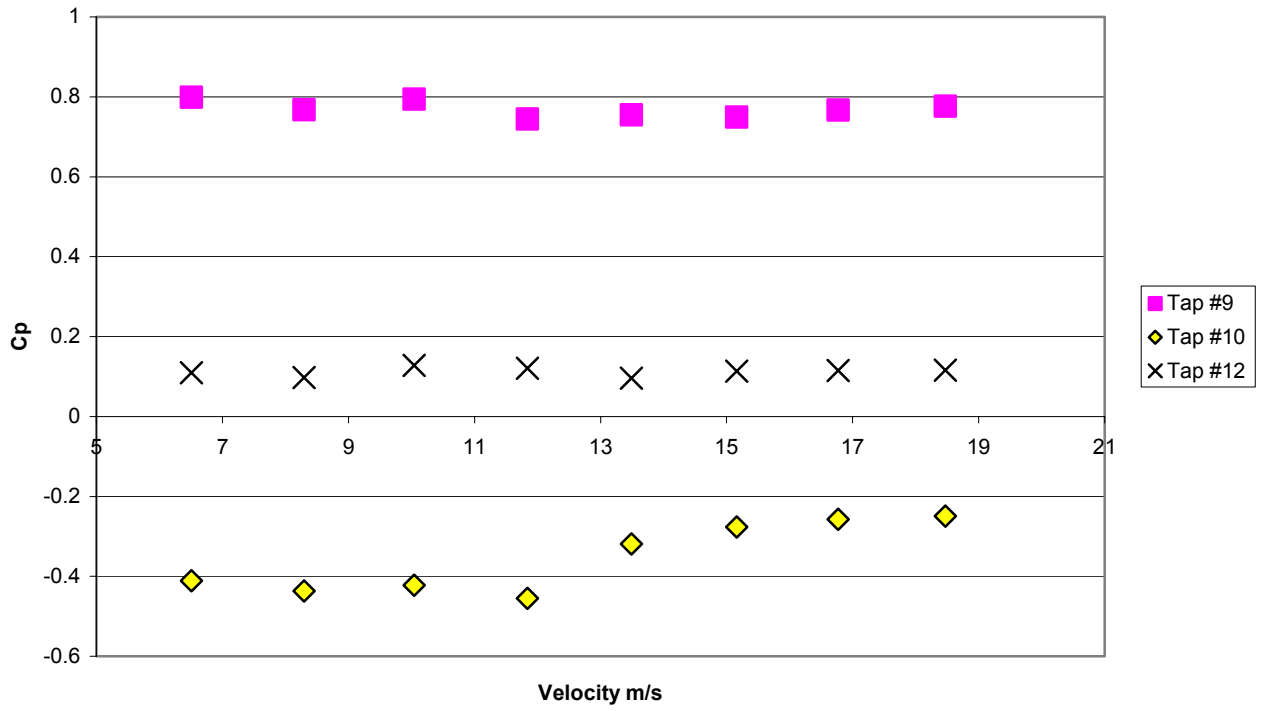

Figure 11- Neg. 25 Deg. Coefficient of Pressure vs. Velocity on the front of the model

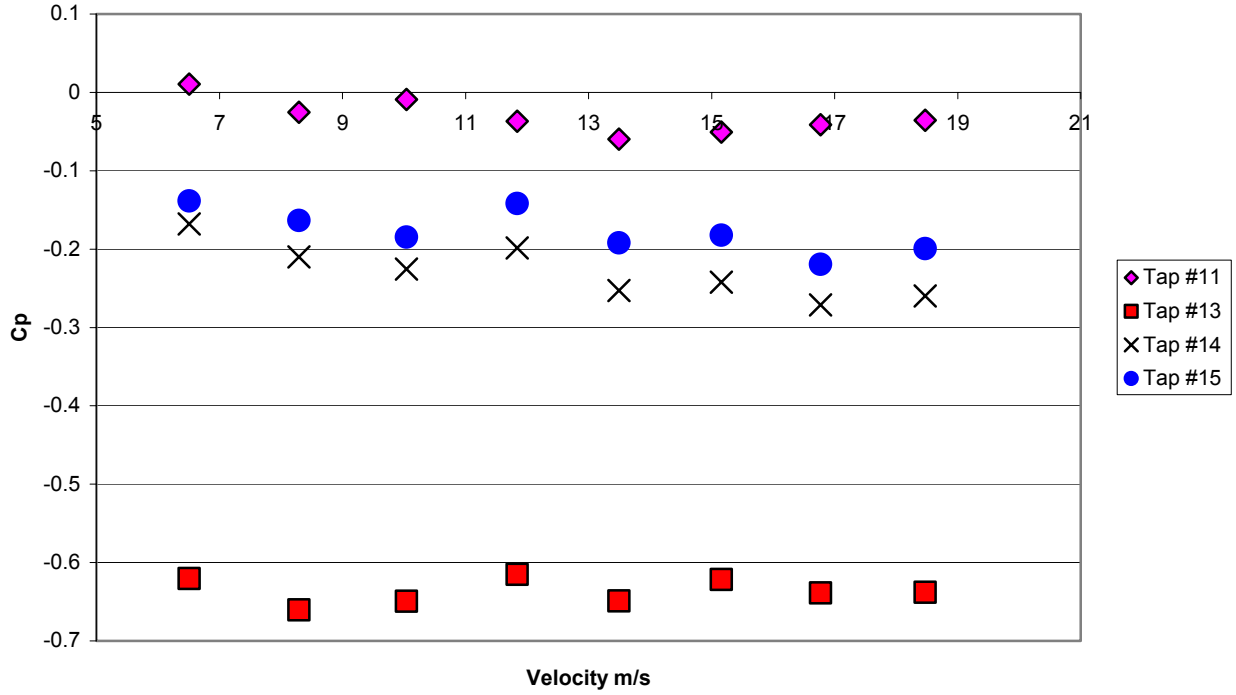

Figure 12- Neg. 25 Deg. Coefficient of Pressure vs. Velocity on the top of the model

45 Degree Testing

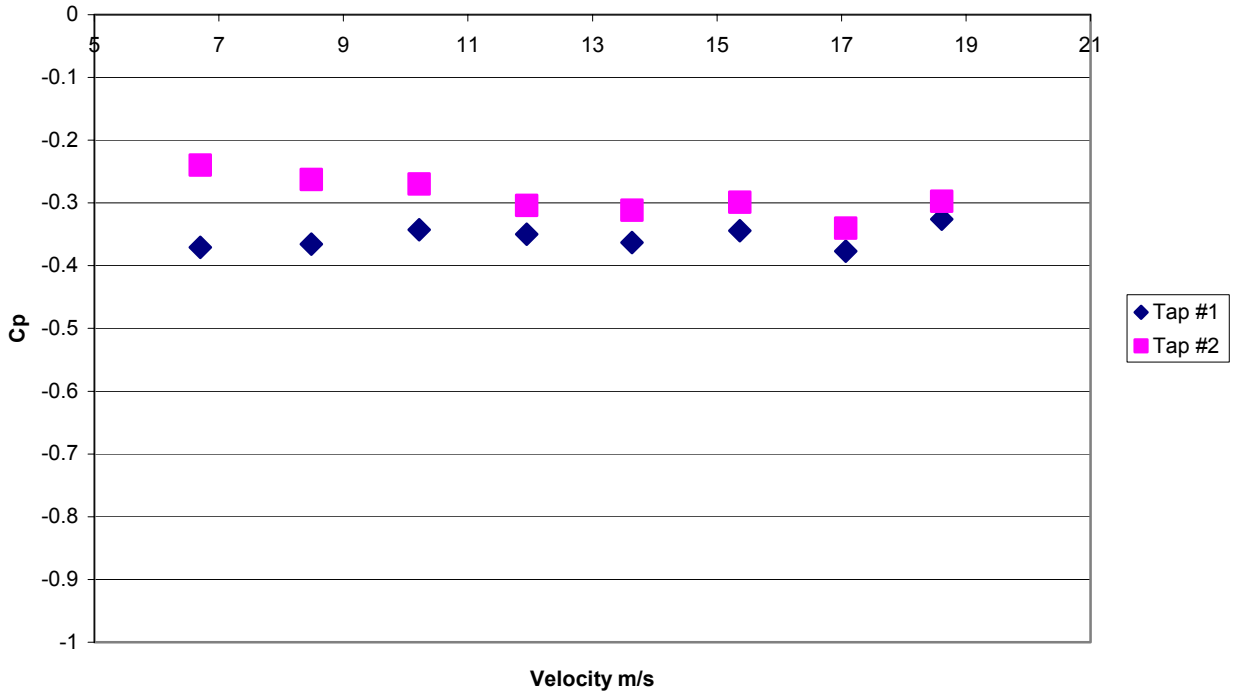

Figure 13- 45 Deg. Coefficient of Pressure vs. Velocity on the rear of the model

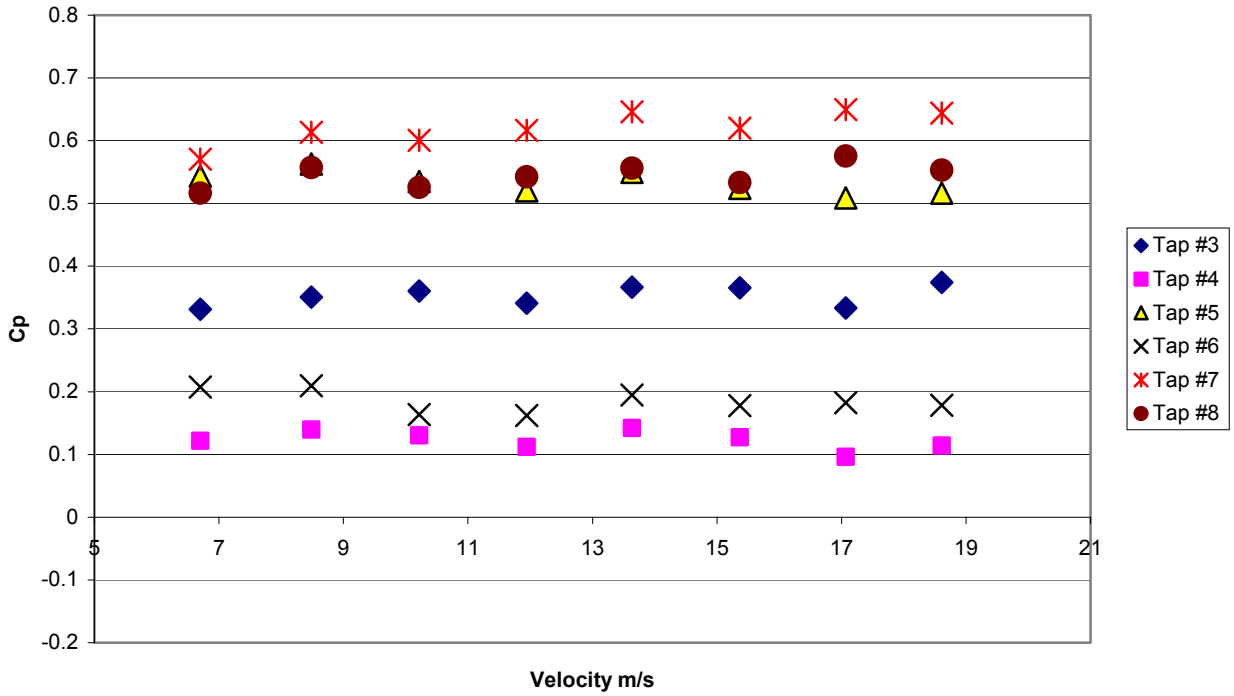

Figure 14- 45 Deg Coefficient of Pressure vs. Velocity on the side of the model

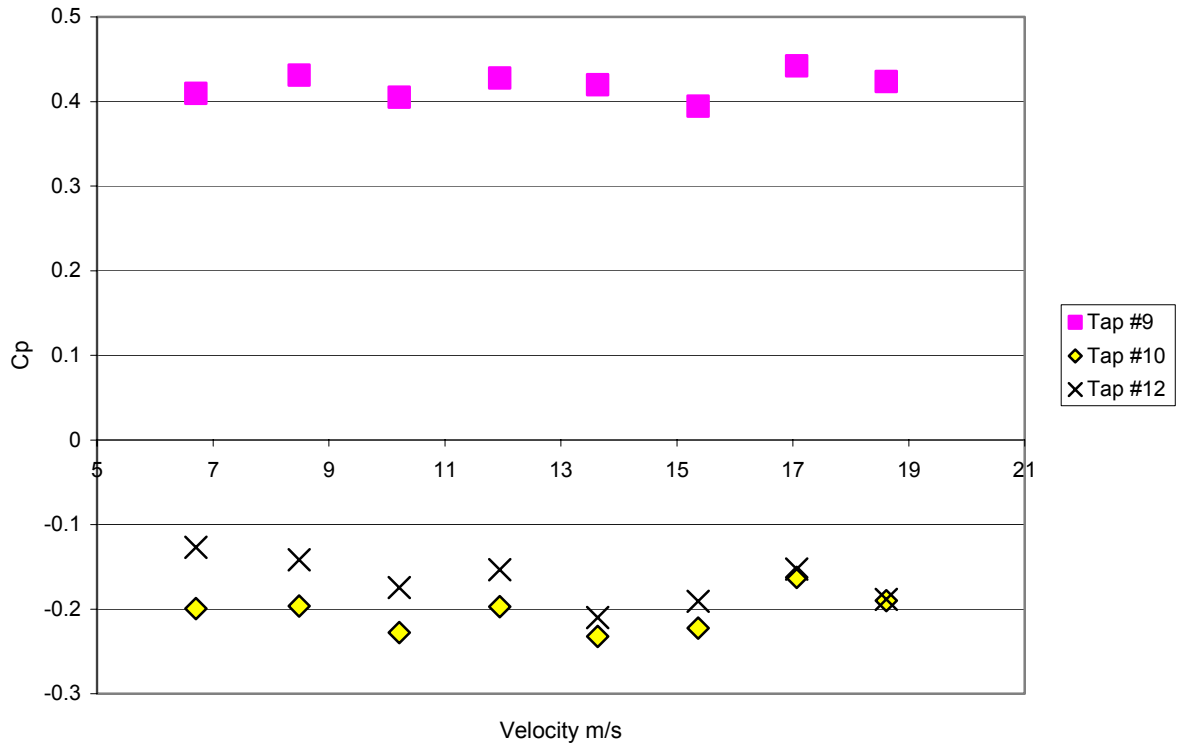

Figure 15- 45 Deg Coefficient of Pressure vs. Velocity on the front of the model

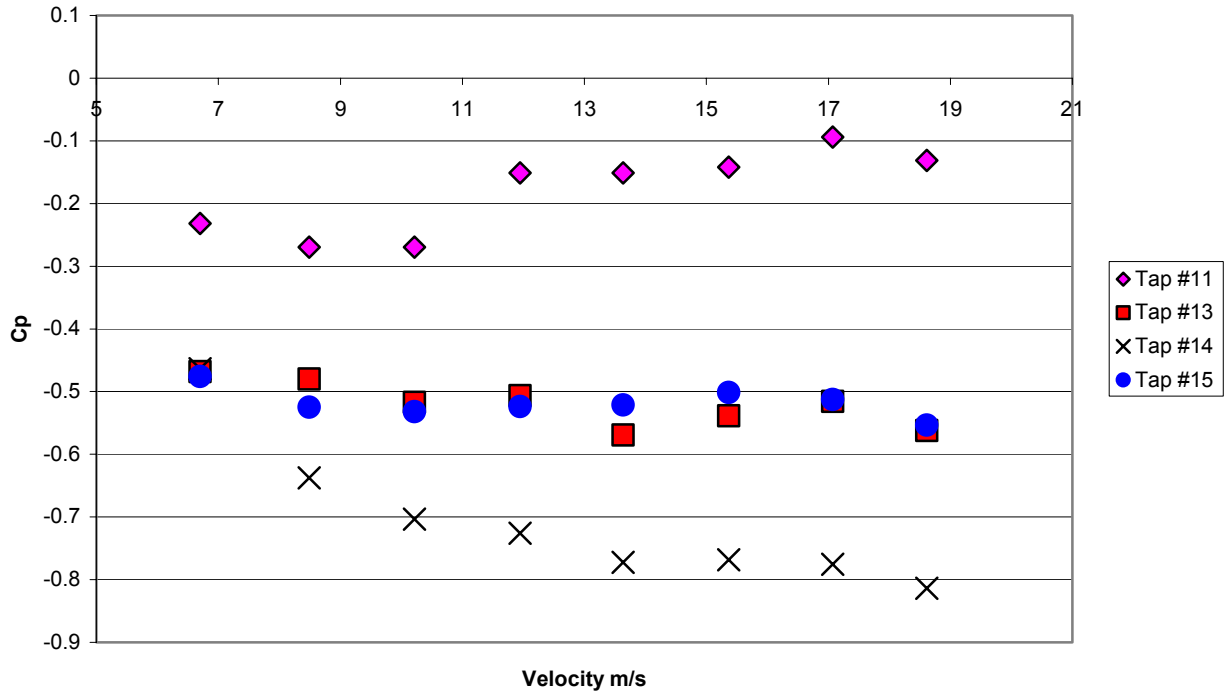

Figure 16- 45 Deg Coefficient of Pressure vs. Velocity on the top of the model

Negative 45 Degree Testing

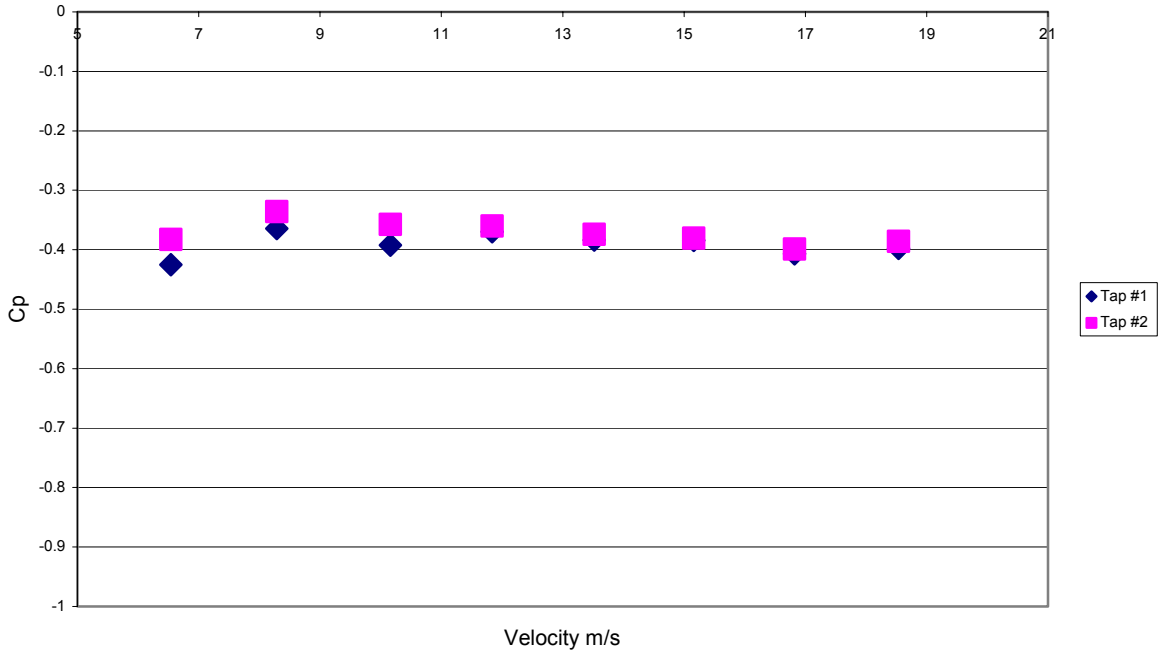

Figure 17- Neg. 45 Deg Coefficient of Pressure vs. Velocity on the rear of the model

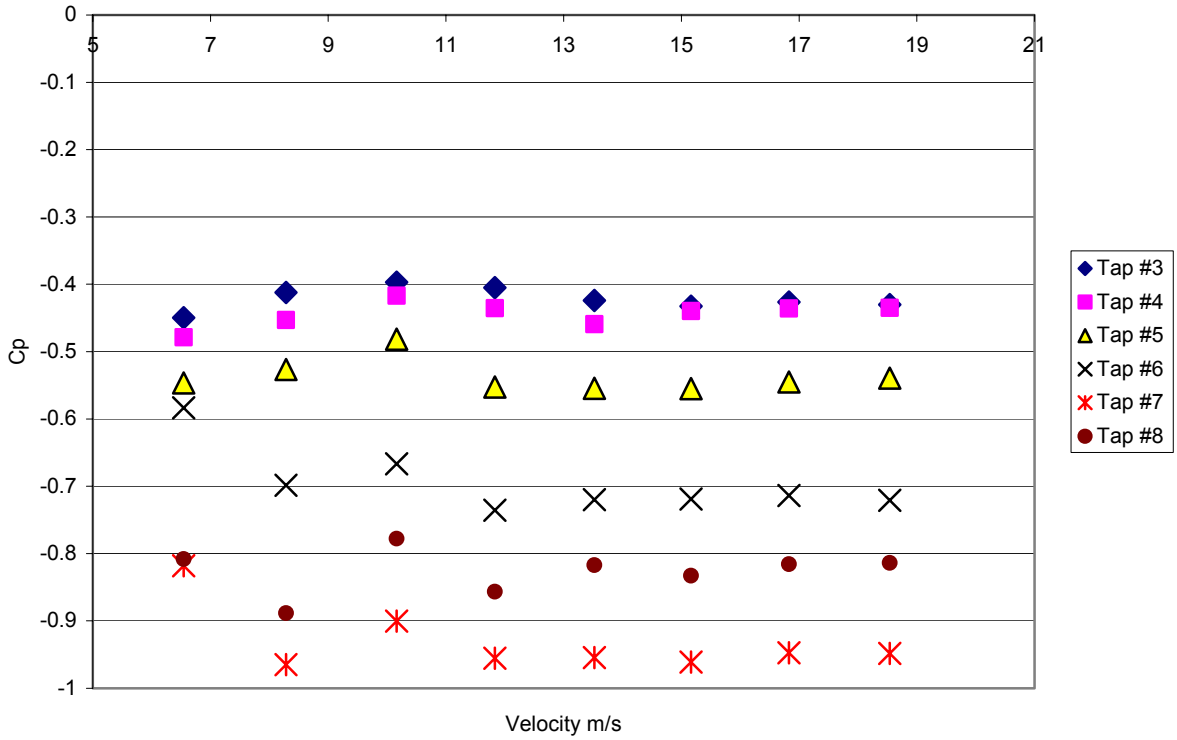

Figure 18- Neg. 45 Deg Coefficient of Pressure vs. Velocity on the side of the model

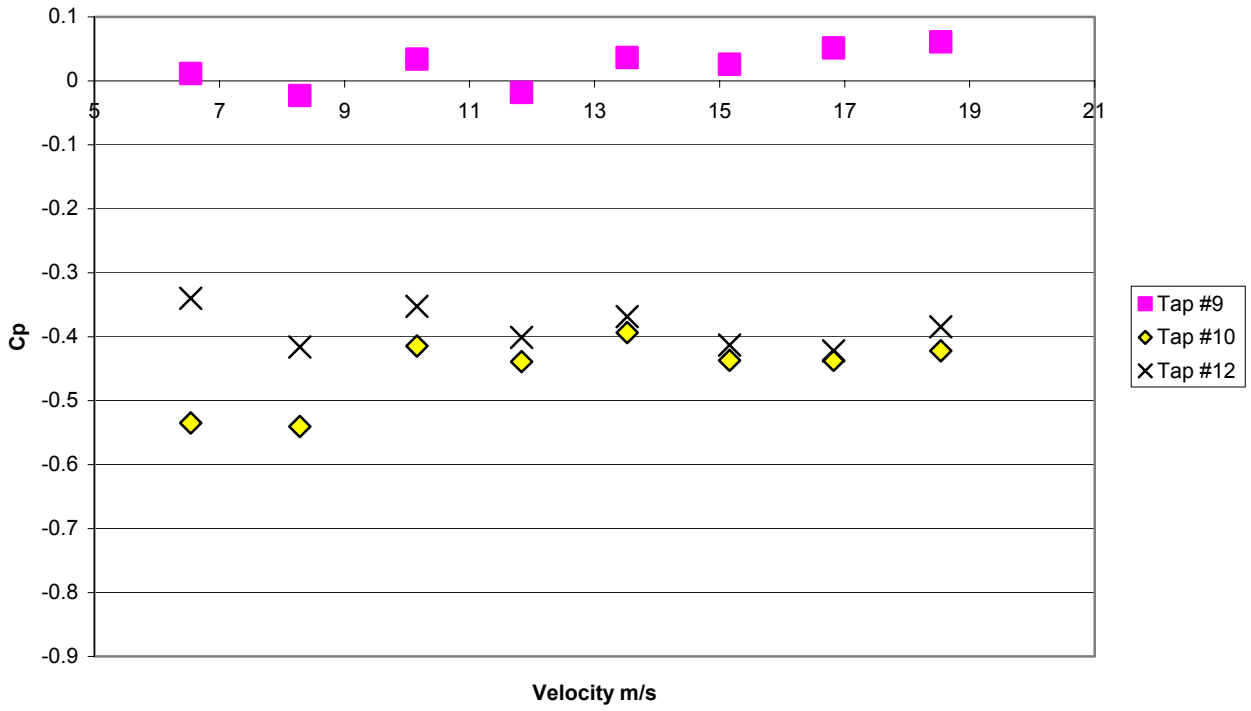

Figure 19- Neg. 45 Deg Coefficient of Pressure vs. Velocity on the front of the model

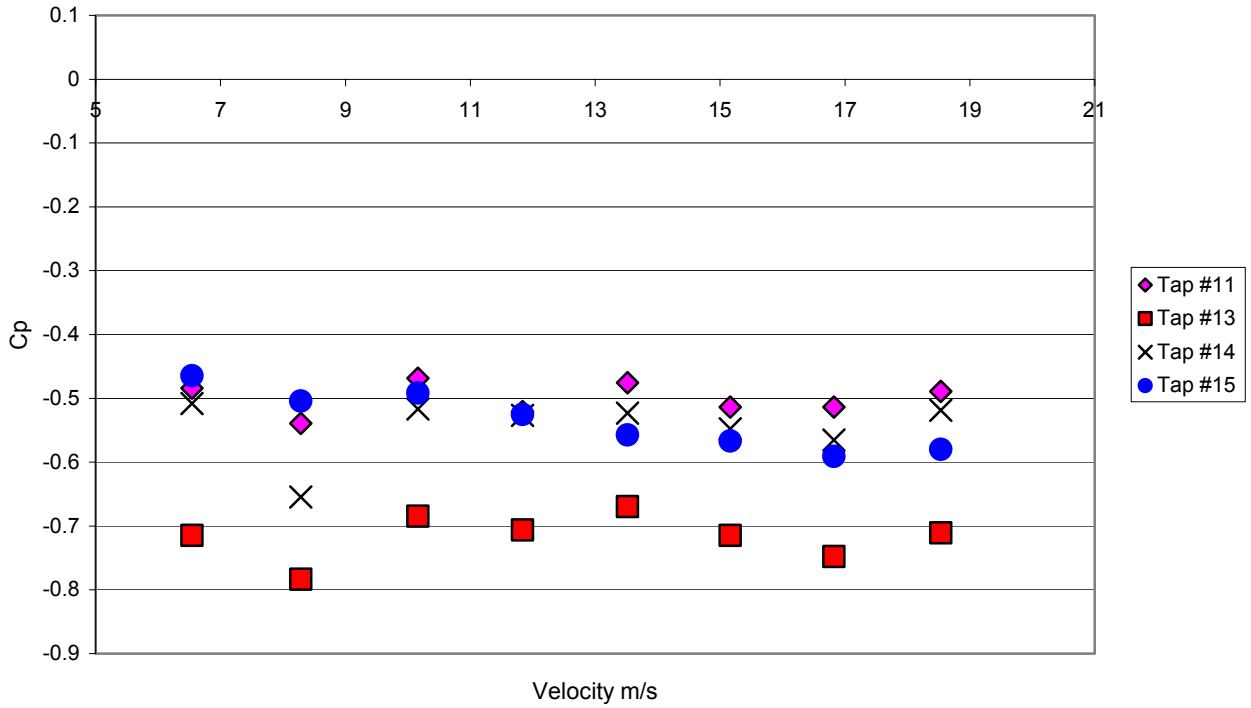

Figure 20- Neg. 45 Deg Coefficient of Pressure vs. Velocity on the top of the model

65 Degree Testing

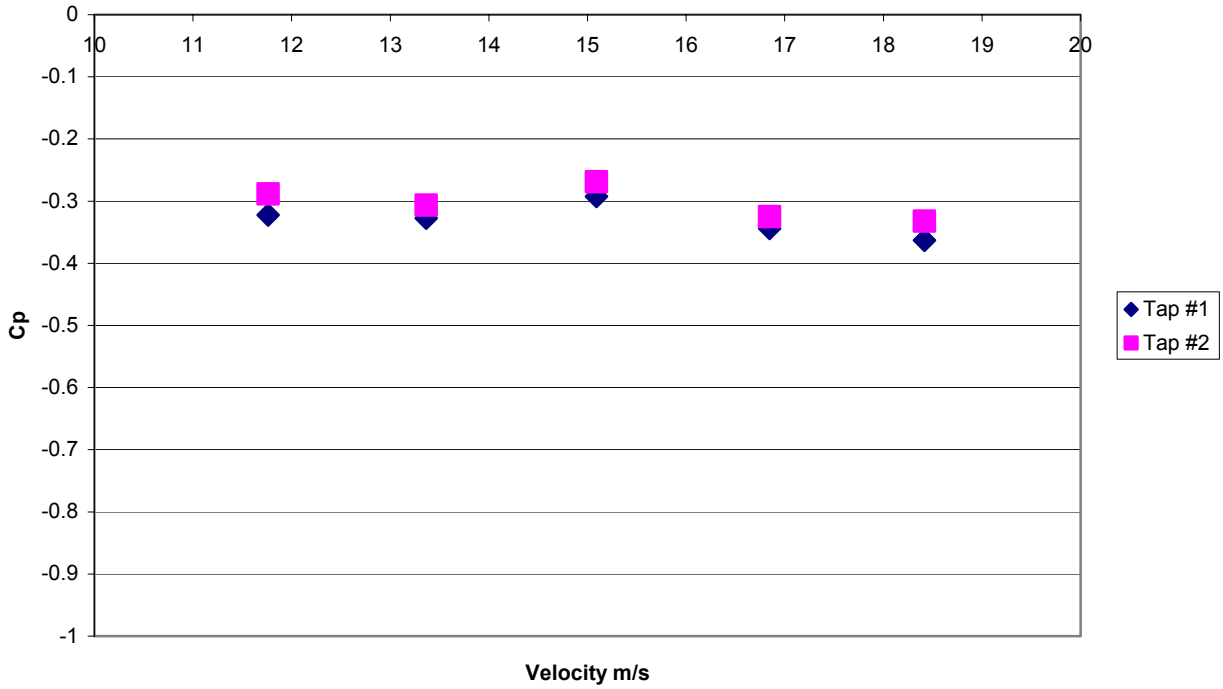

Figure 21- 65 Deg Coefficient of Pressure vs. Velocity on the rear of the model

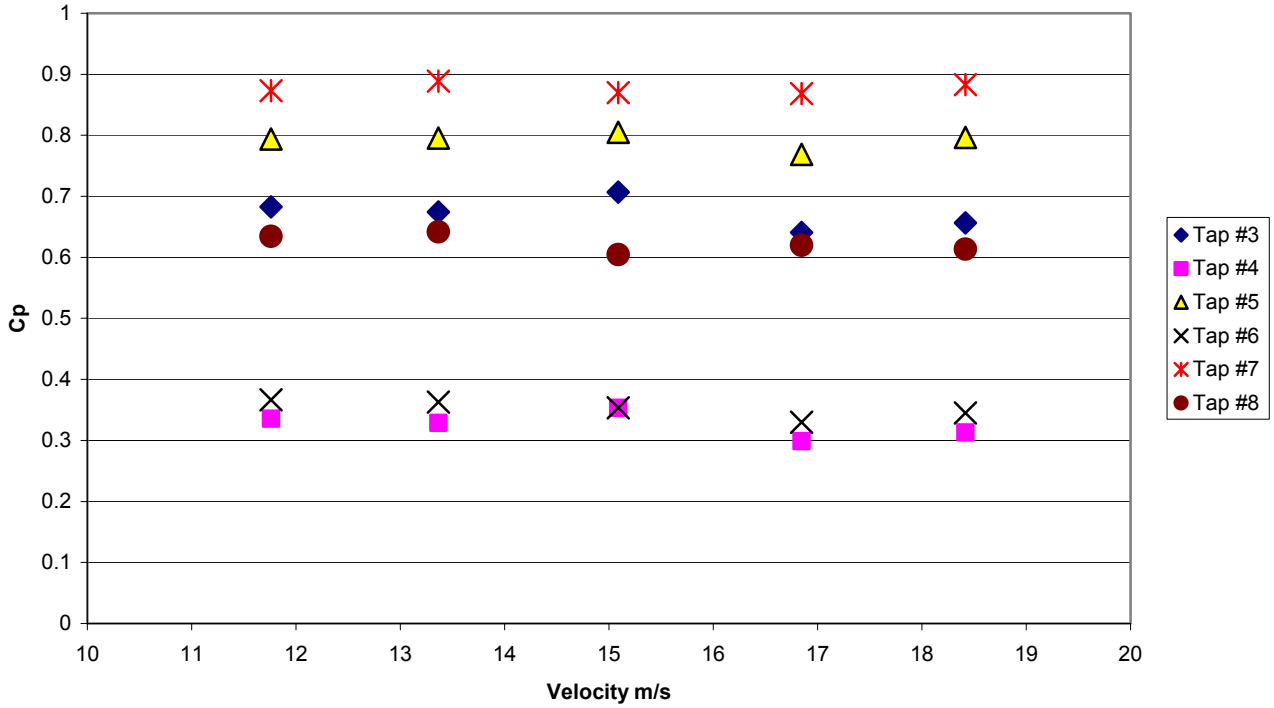

Figure 22- 65 Deg Coefficient of Pressure vs. Velocity on the side of the model

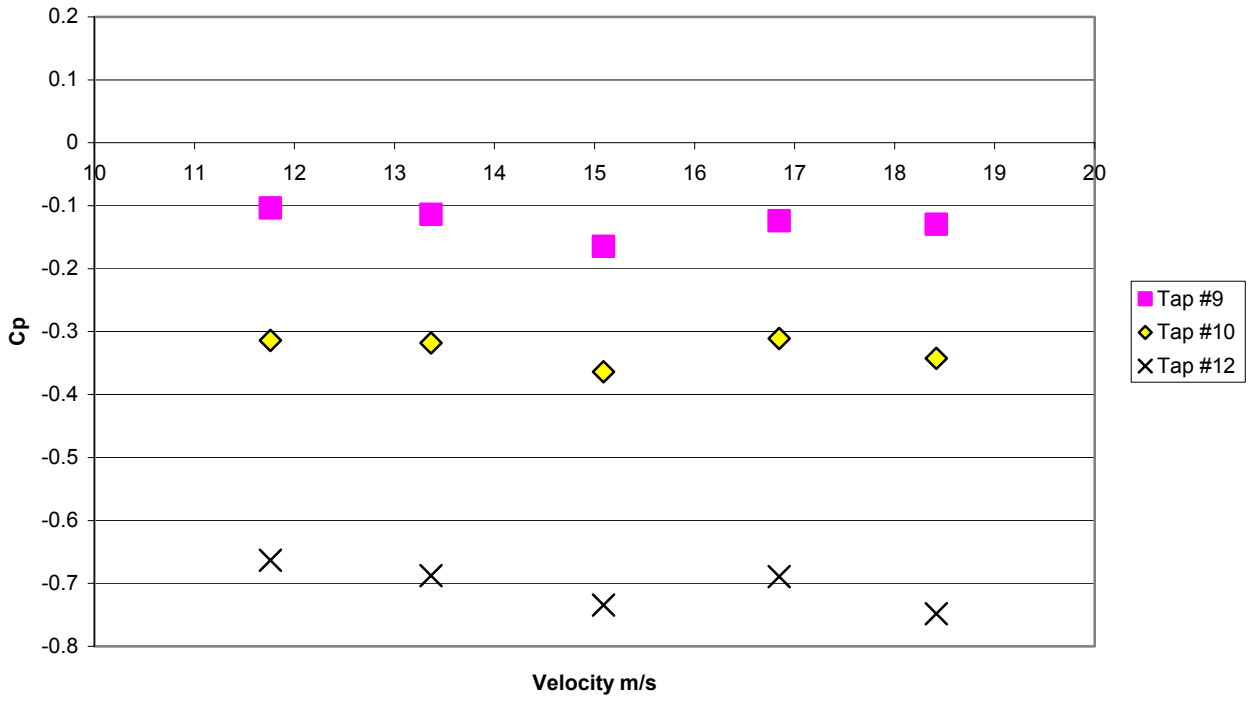

Figure 23- 65 Deg Coefficient of Pressure vs. Velocity on the front of the model

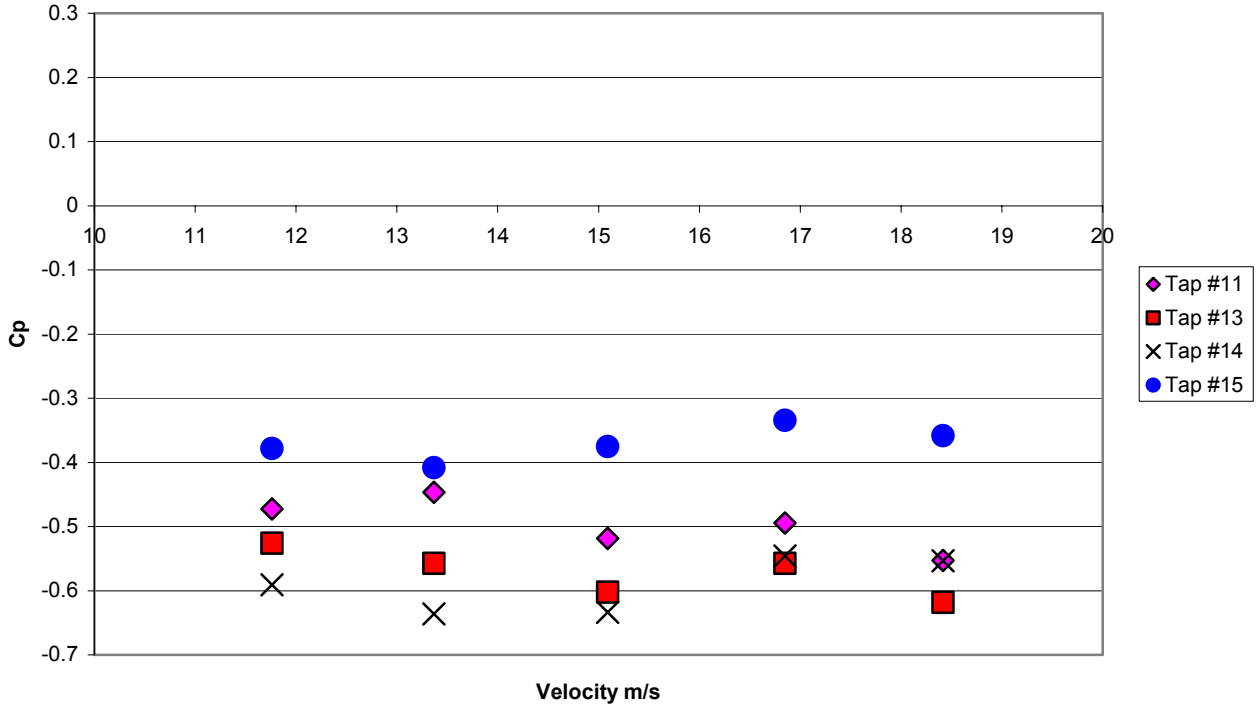

Figure 24- 65 Deg Coefficient of Pressure vs. Velocity on the top of the model

Negative 65 Degree Testing

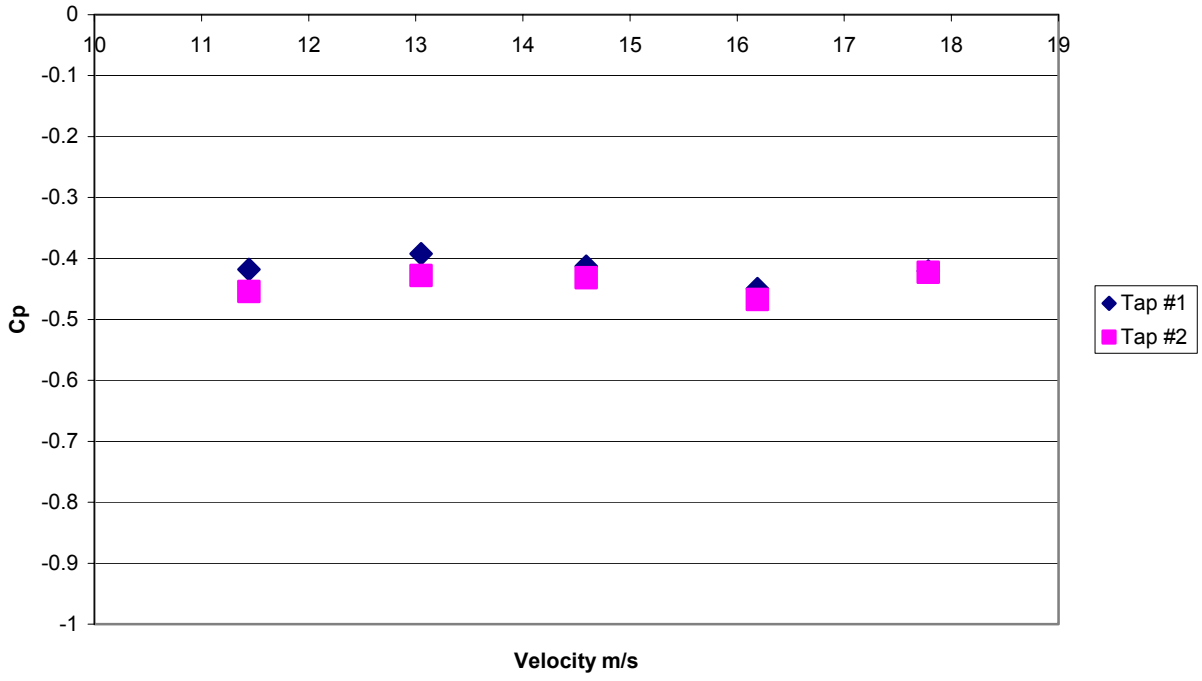

Figure 25- Neg. 65 Deg Coefficient of Pressure vs. Velocity on the rear of the model

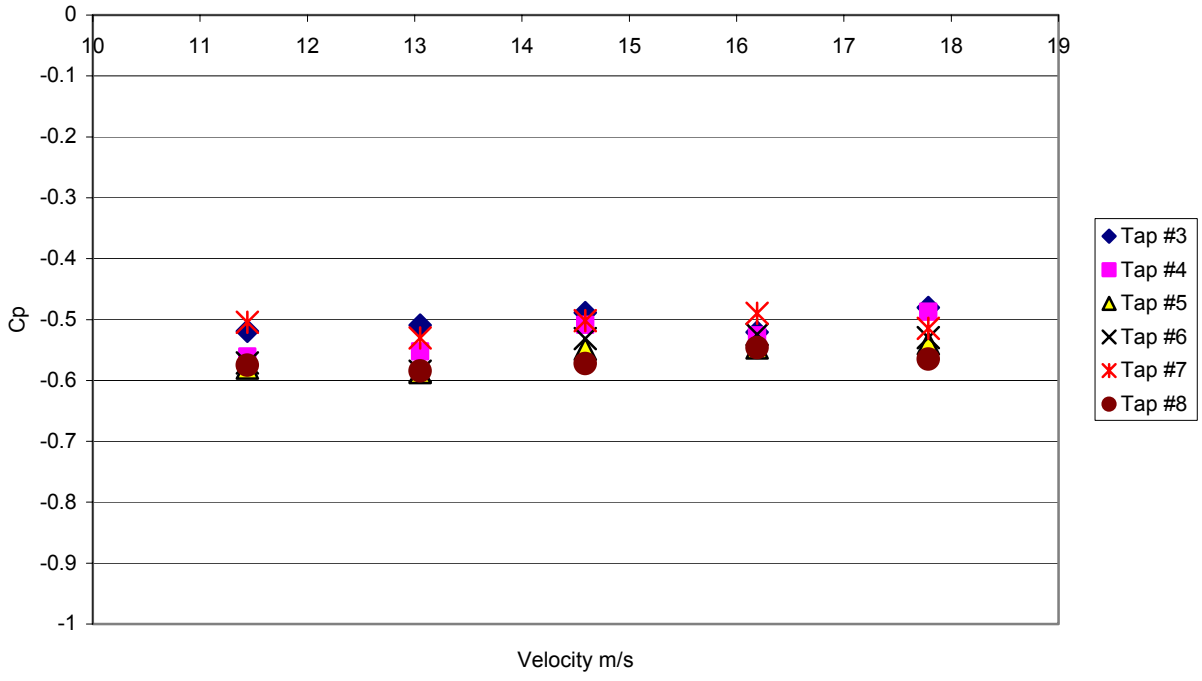

Figure 26- Neg. 65 Deg Coefficient of Pressure vs. Velocity on the side of the model

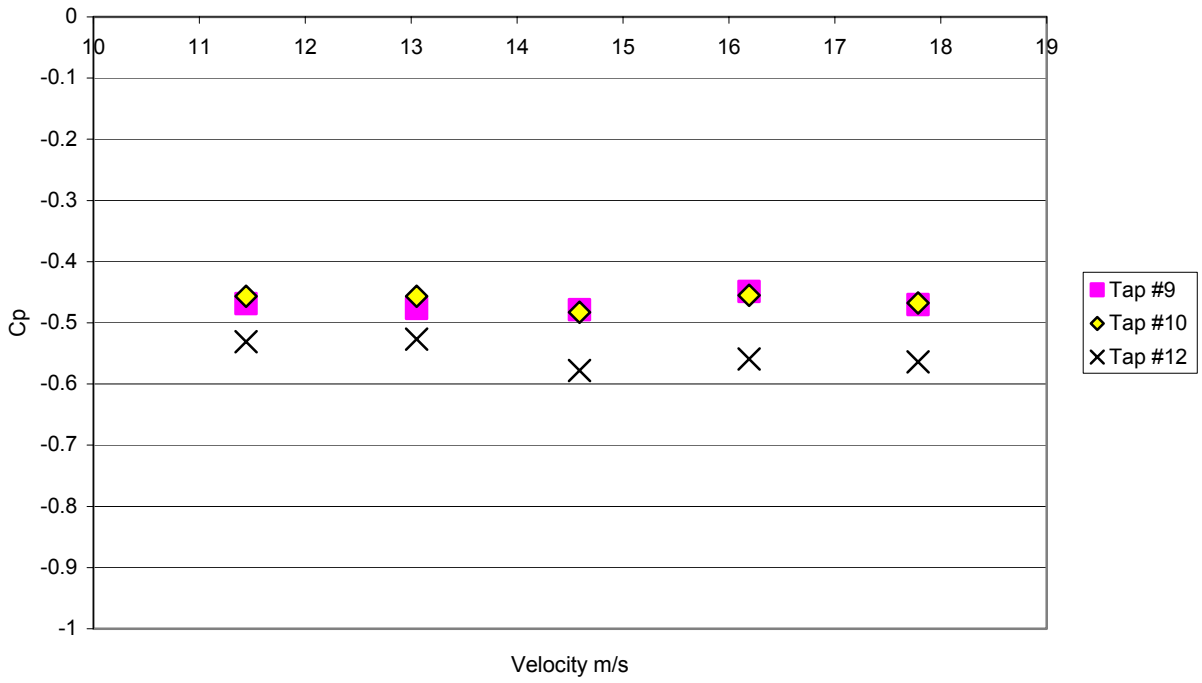

Figure 27- Neg. 65 Deg Coefficient of Pressure vs. Velocity on the front of the model

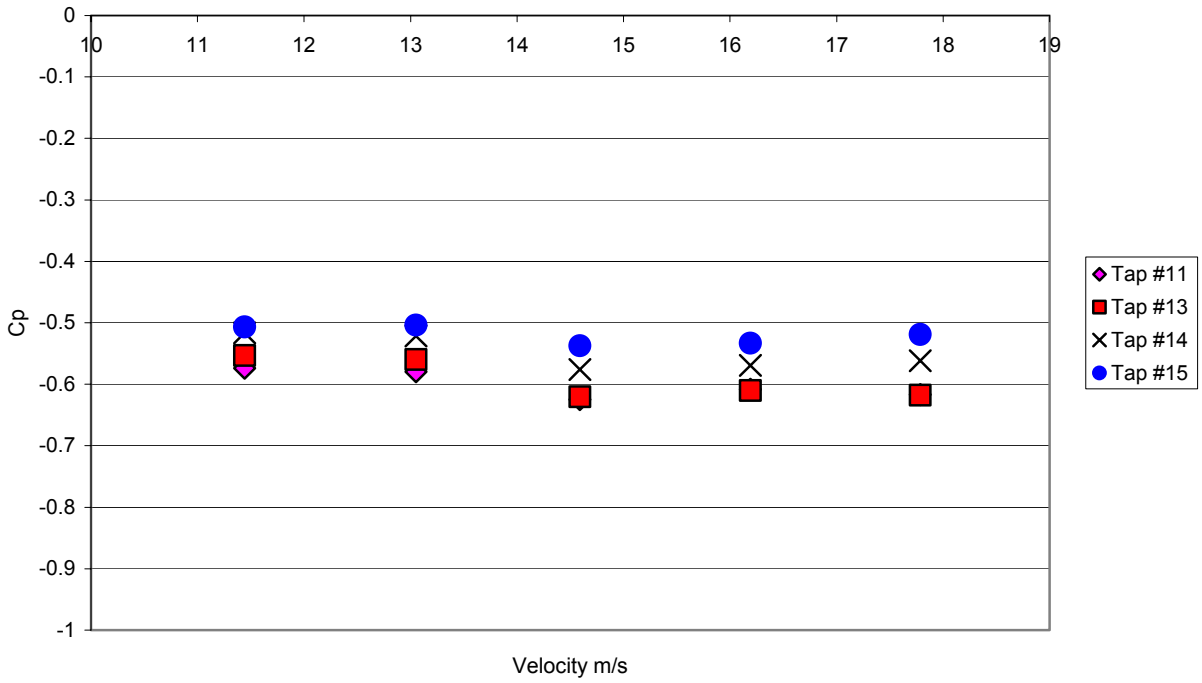

Figure 28- Neg. 65 Deg Coefficient of Pressure vs. Velocity on the top of the model

90 Degree Testing

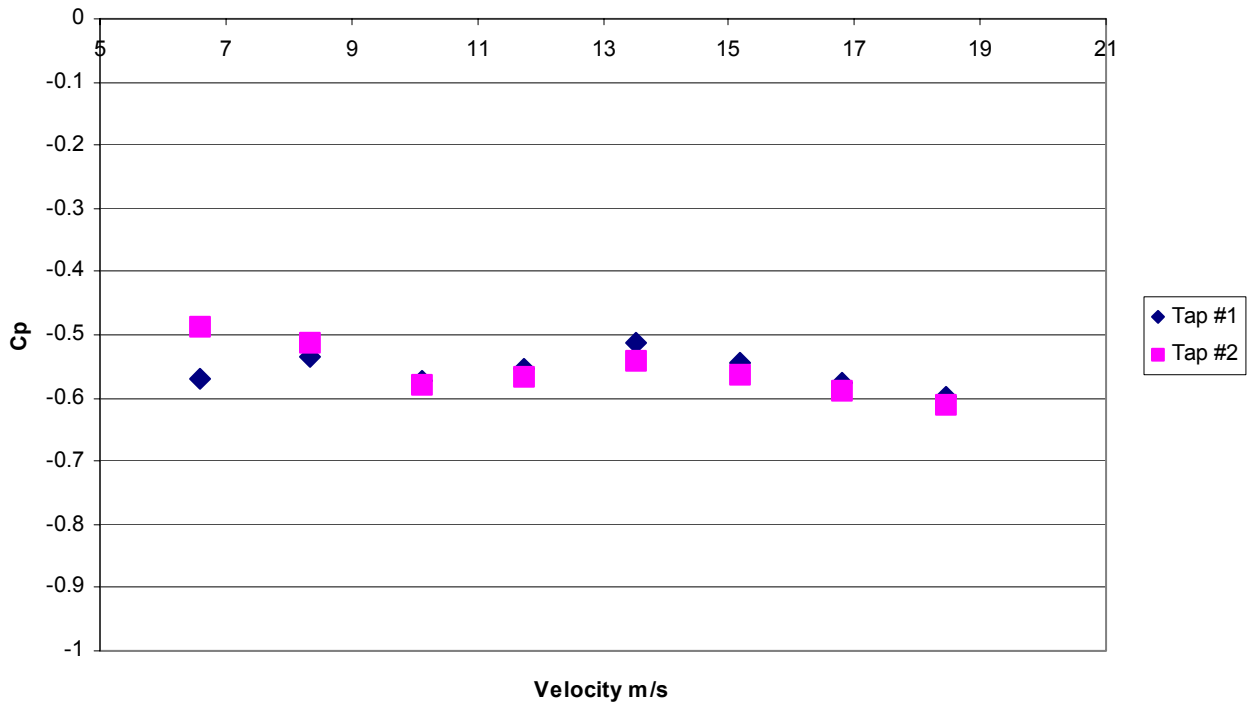

Figure 29- 90 Deg Coefficient of Pressure vs. Velocity on the Rear of the model

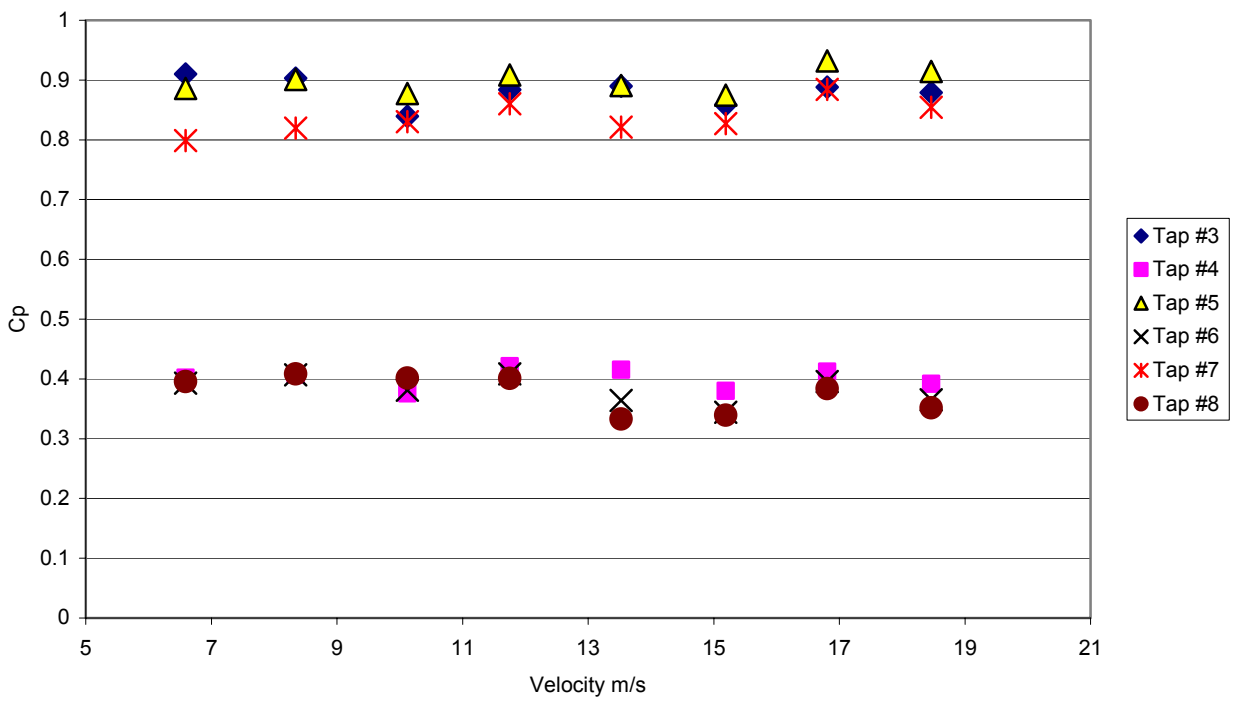

Figure 30- 90 Deg Coefficient of Pressure vs. Velocity on the side of the model

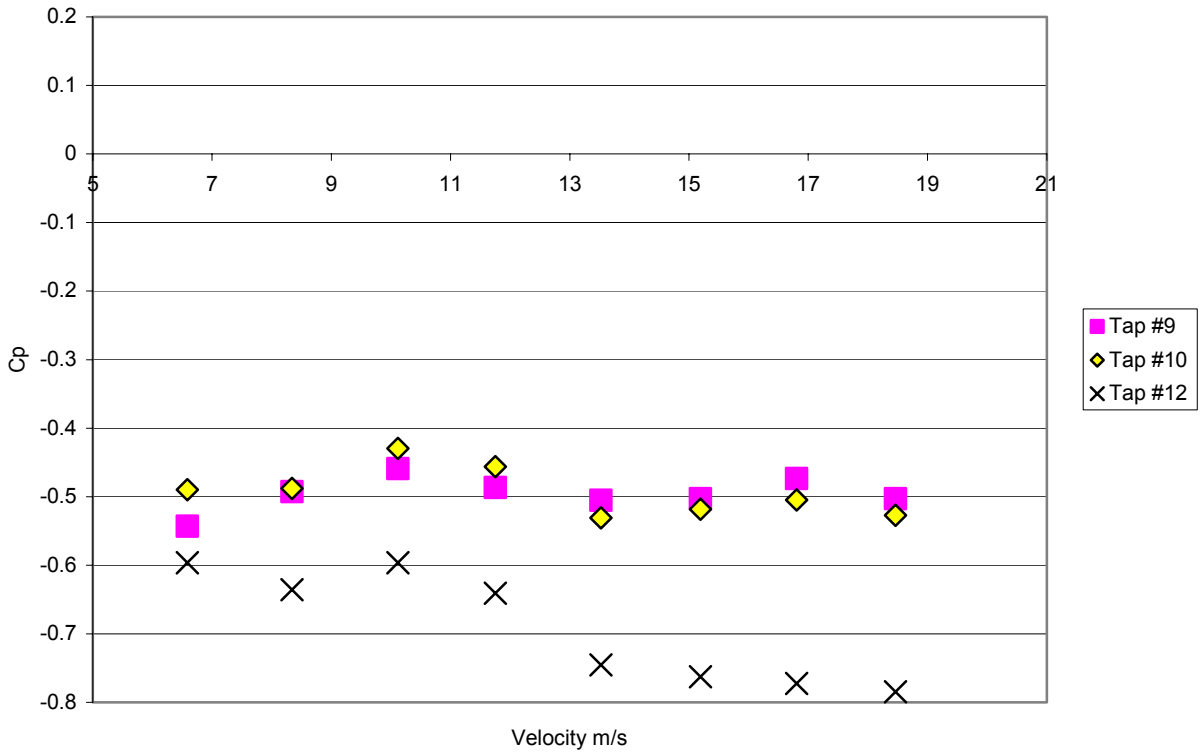

Figure 31- 90 Deg Coefficient of Pressure vs. Velocity on the front of the model

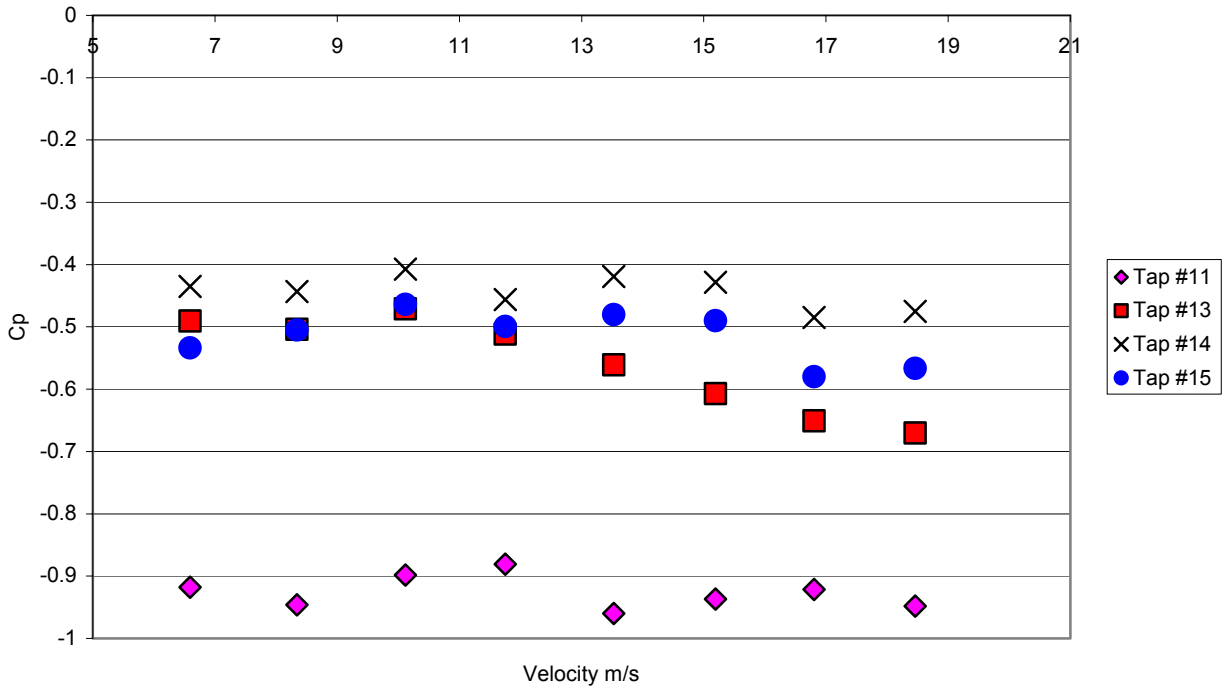

Figure 32- 90 Deg Coefficient of Pressure vs. Velocity on the top of the model

Negative 90 Degree Testing

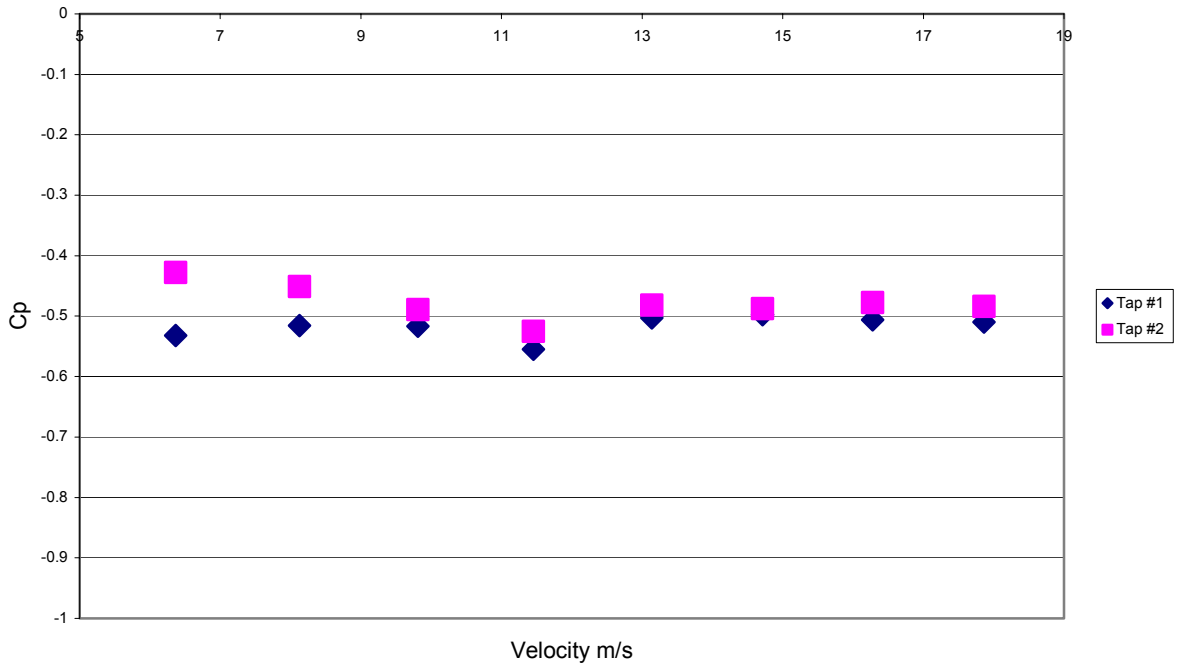

Figure 33- Neg. 90 Deg Coefficient of Pressure vs. Velocity on the rear of the model

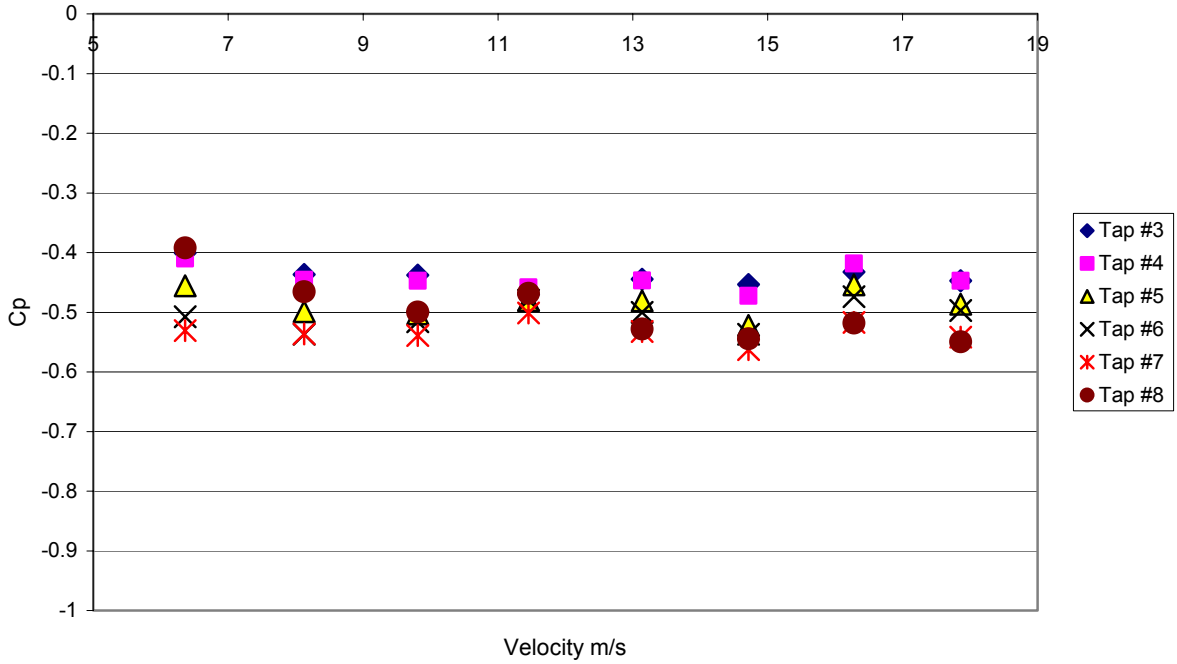

Figure 34- Neg. 90 Deg Coefficient of Pressure vs. Velocity on the side of the model

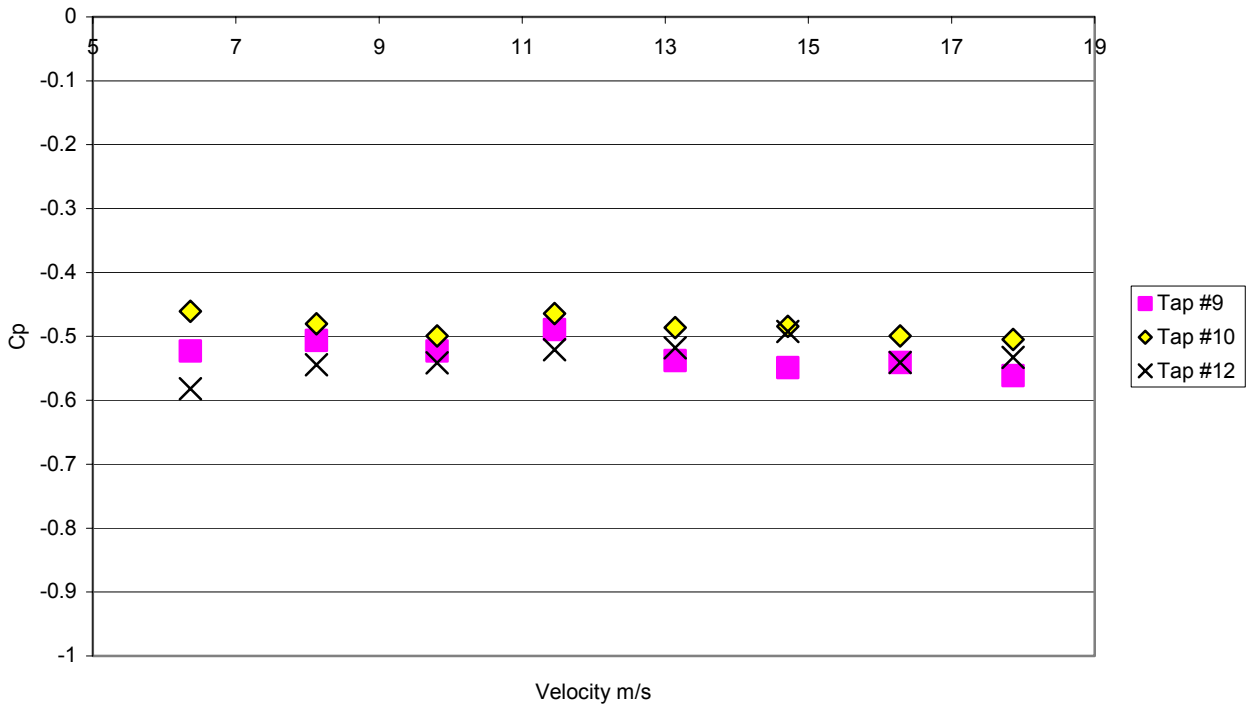

Figure 35- Neg. 90 Deg Coefficient of Pressure vs. Velocity on the front of the model

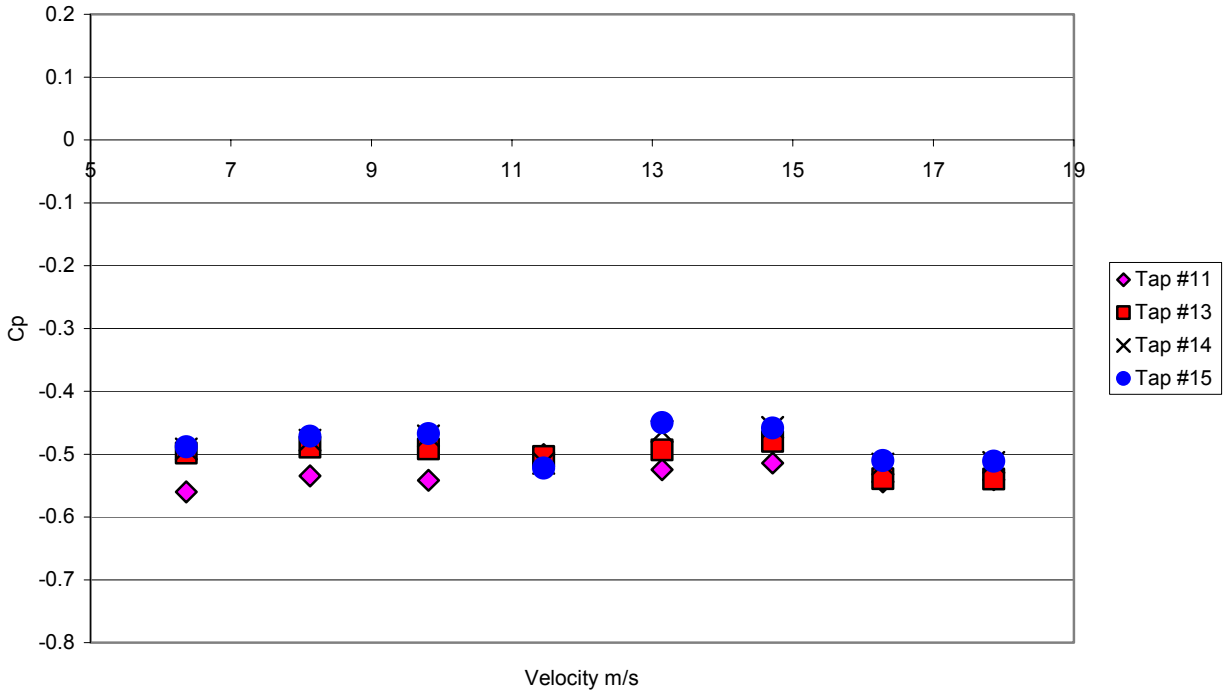

Figure 36- Neg. 90 Deg Coefficient of Pressure vs. Velocity on the top of the model

135 Degree Testing

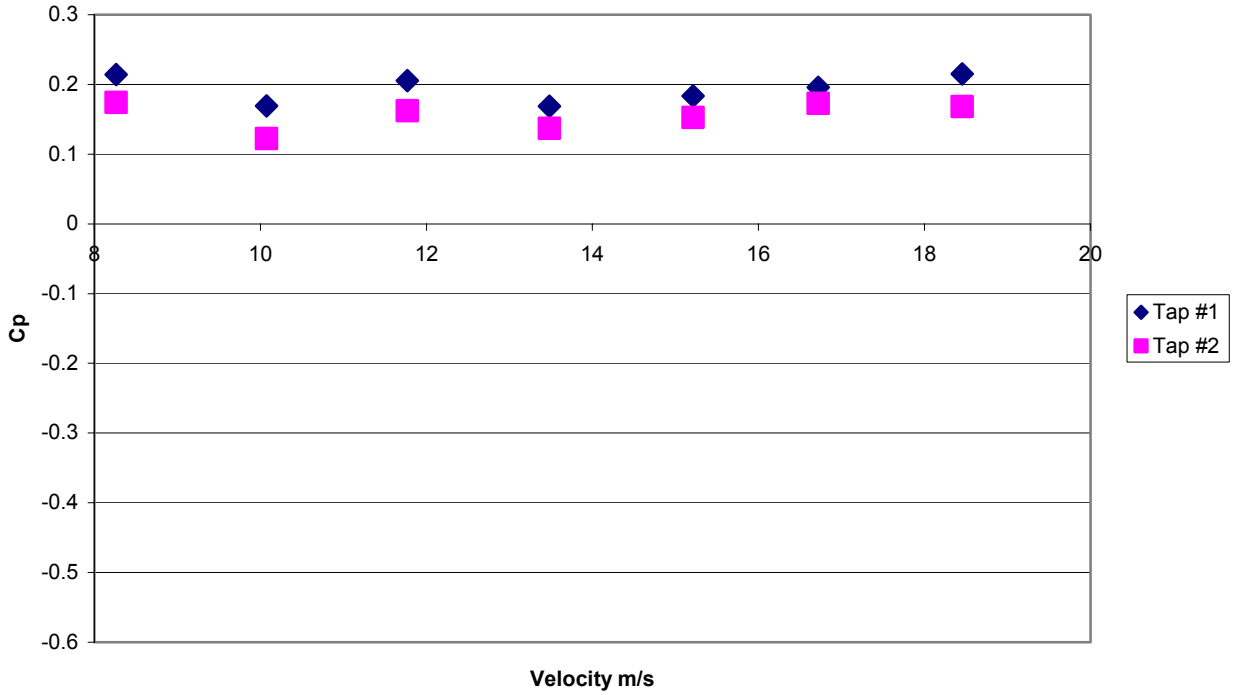

Figure 37- 135 Deg Coefficient of Pressure vs. Velocity on the rear of the model

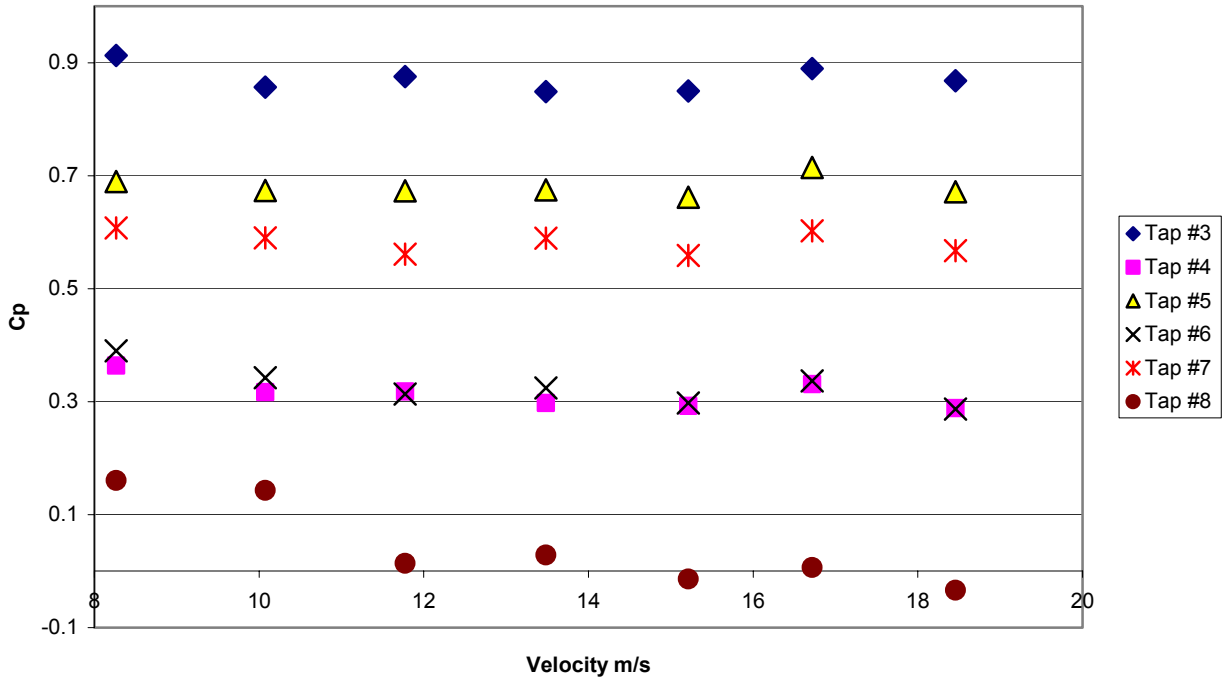

Figure 38- 135 Deg Coefficient of Pressure vs. Velocity on the side of the model

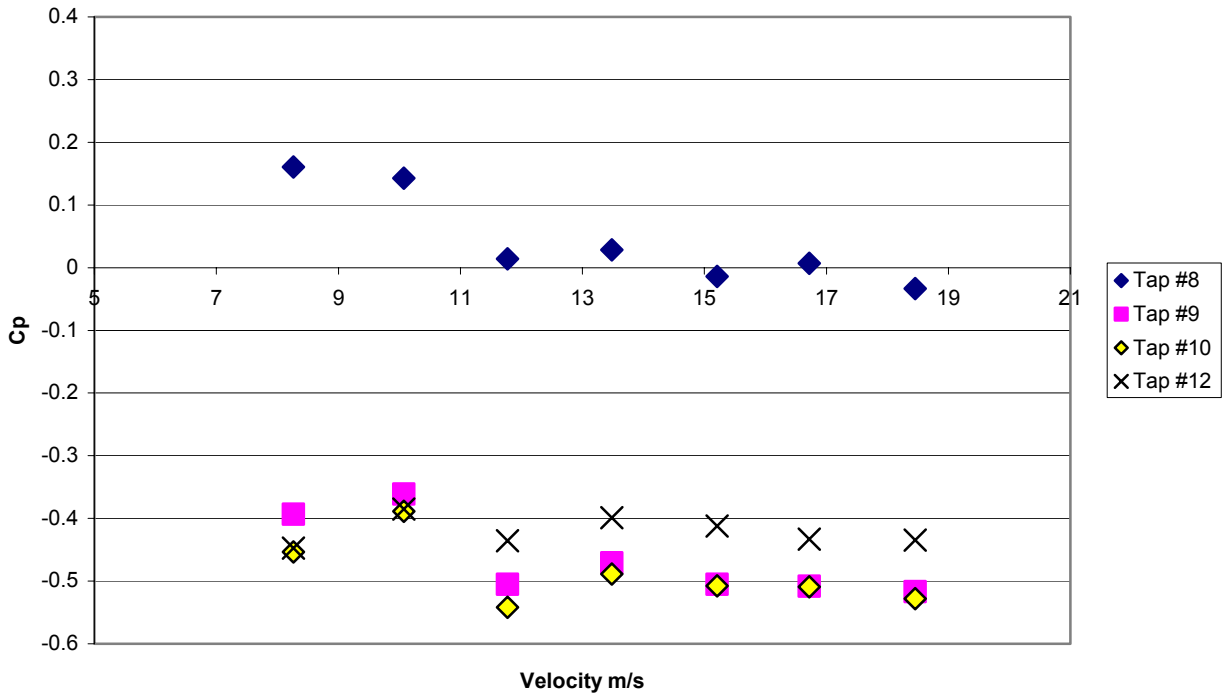

Figure 39- 135 Deg Coefficient of Pressure vs. Velocity on the front of the model

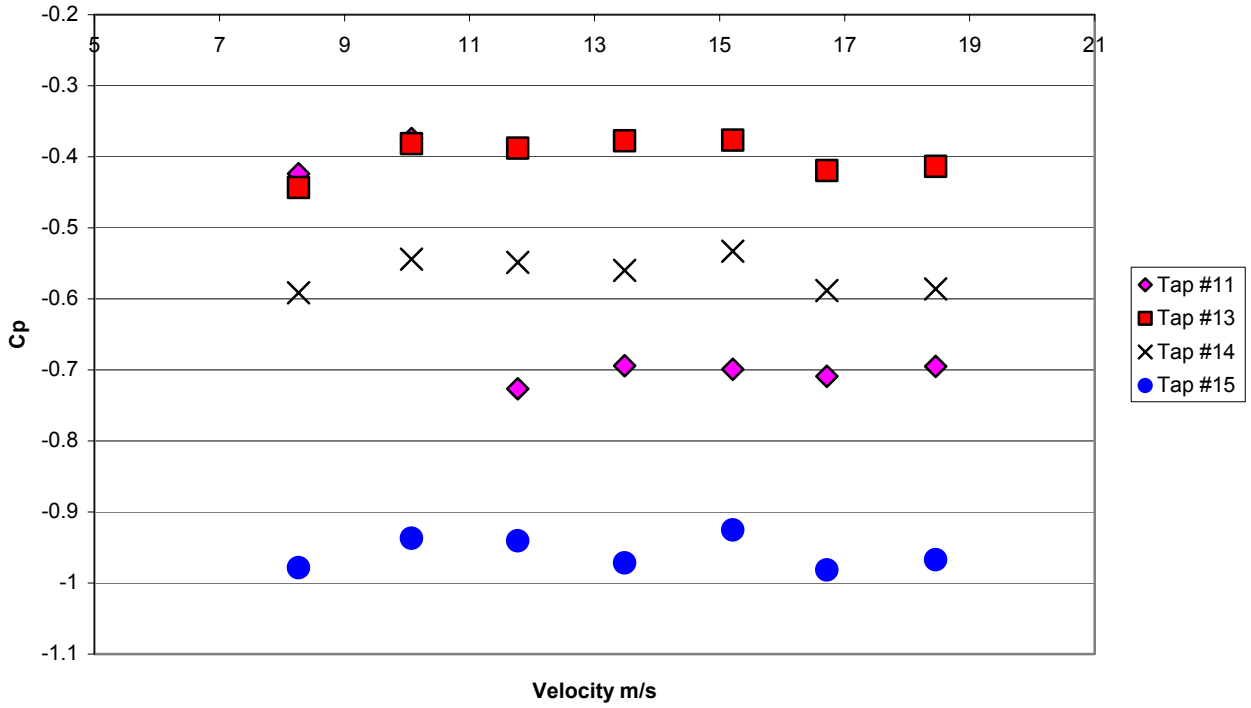

Figure 40- 135 Deg Coefficient of Pressure vs. Velocity on the top of the model

Negative 135 Degree Testing

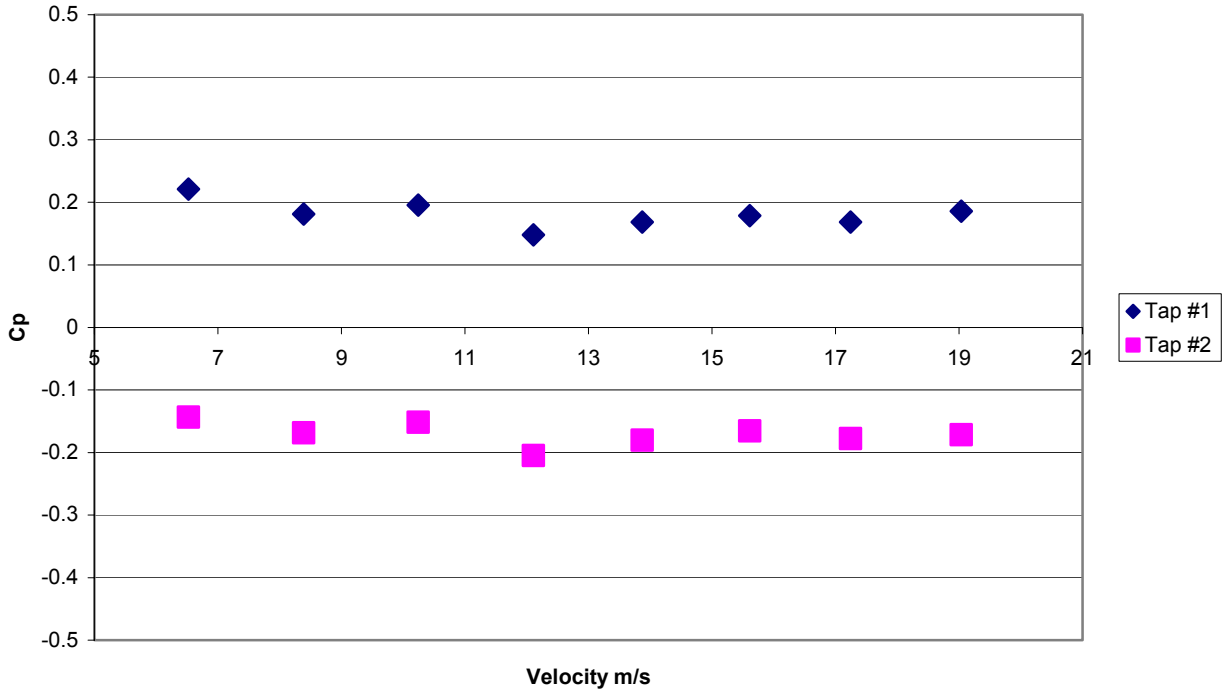

Figure 41- Neg. 135 Deg Coefficient of Pressure vs. Velocity on the rear of the model

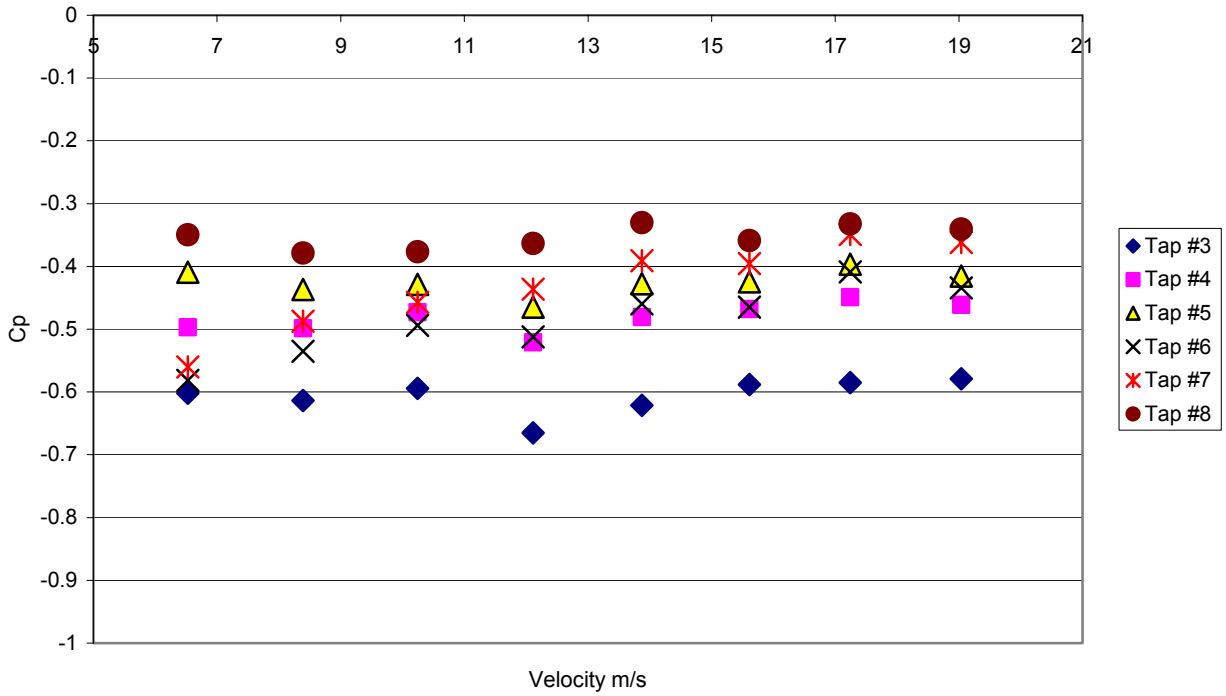

Figure 42- Neg. 135 Deg Coefficient of Pressure vs. Velocity on the side of the model

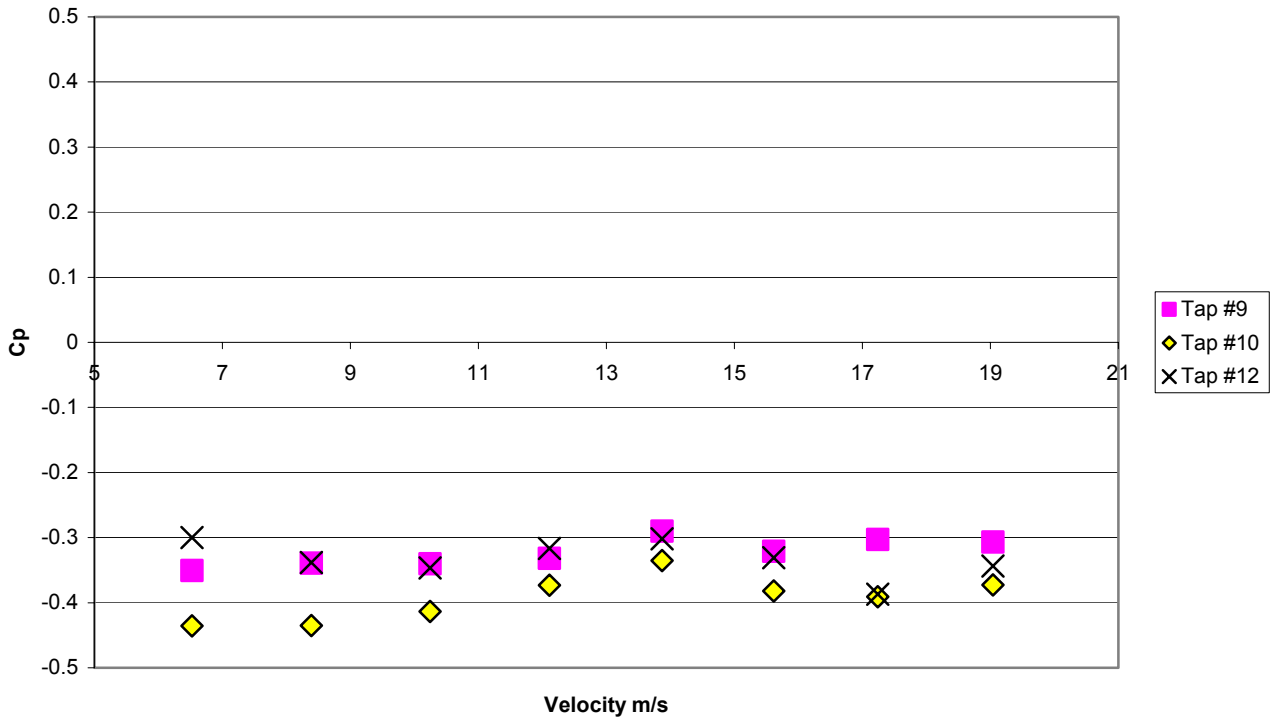

Figure 43- Neg. 135 Deg Coefficient of Pressure vs. Velocity on the front of the model

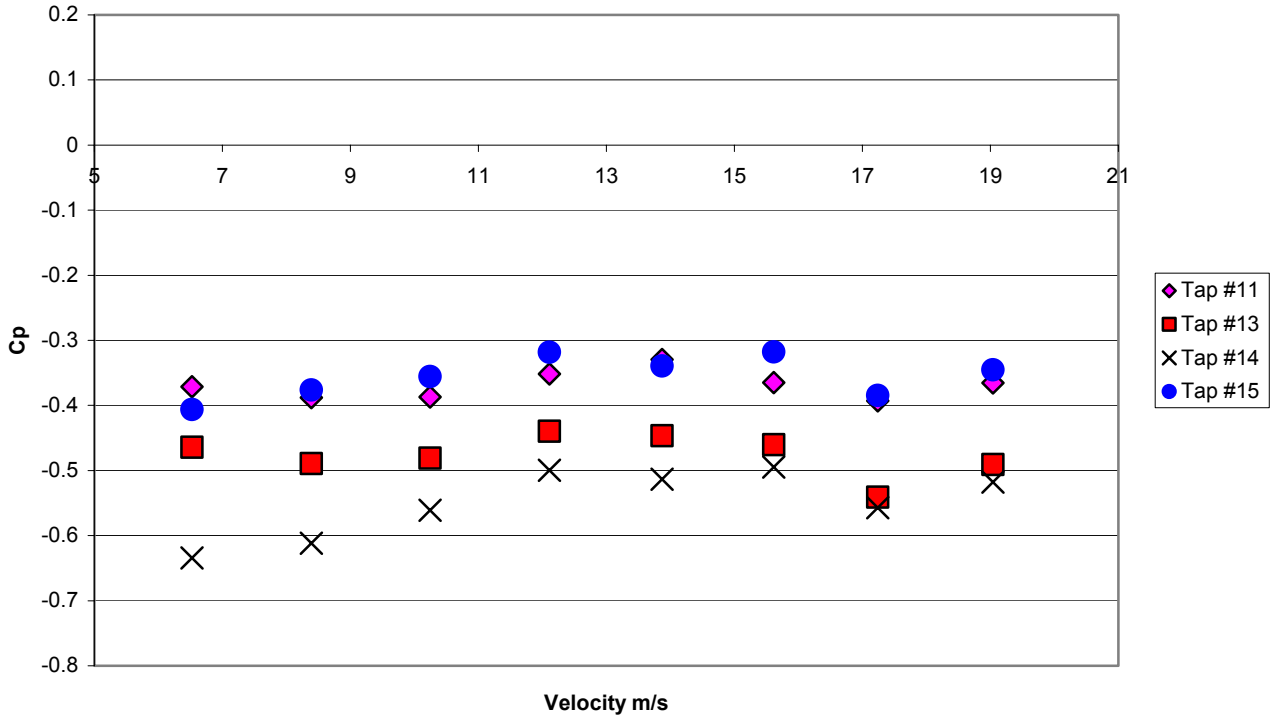

Figure 44- Neg. 135 Deg Coefficient of Pressure vs. Velocity on the top of the model

180 Degree Testing

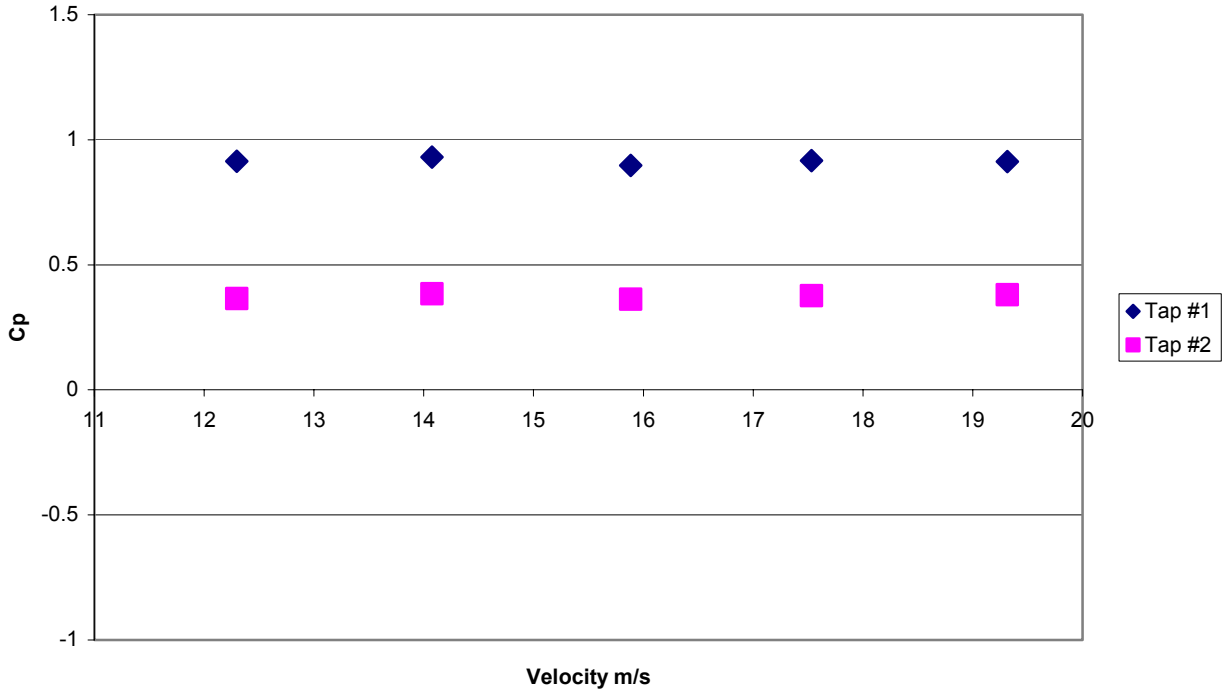

Figure 45- 180 Deg Coefficient of Pressure vs. Velocity on the rear of the model

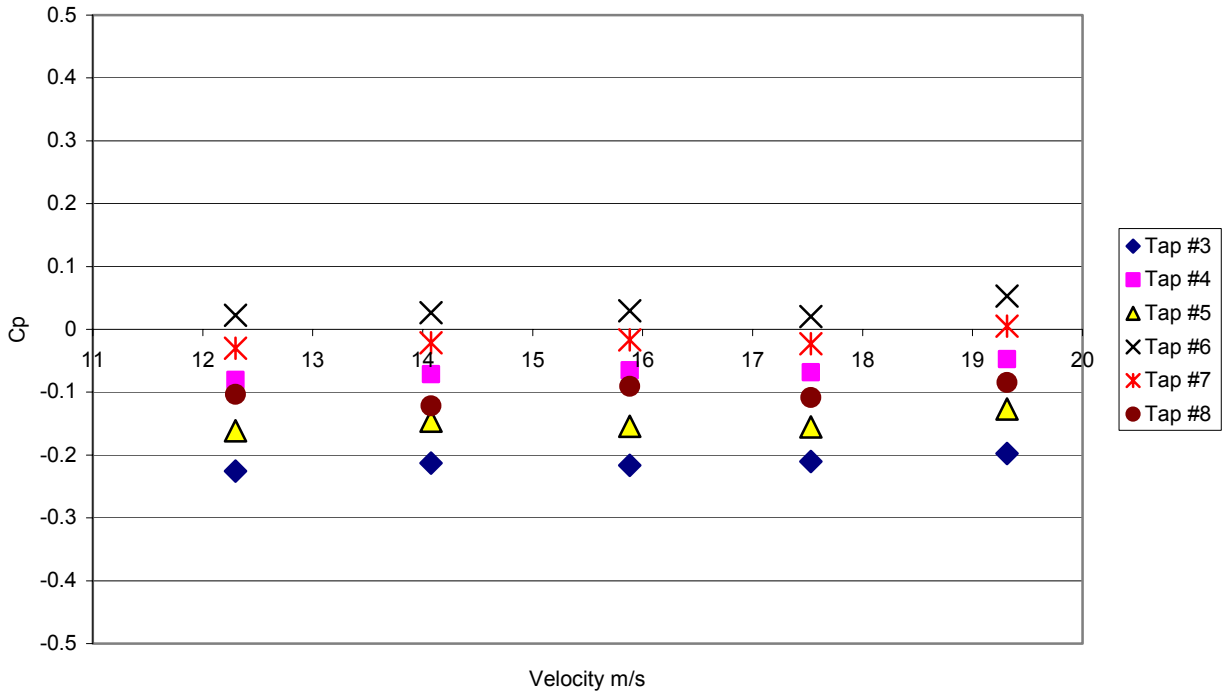

Figure 46- 180 Deg Coefficient of Pressure vs. Velocity on the side of the model

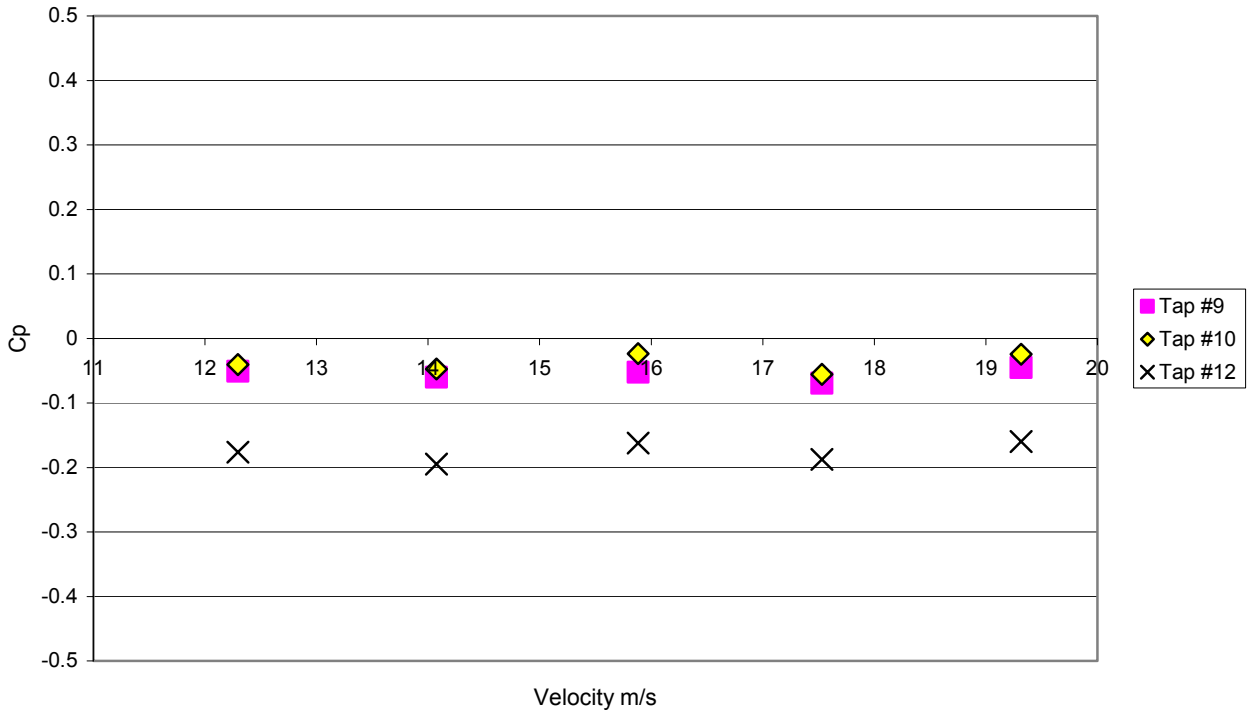

Figure 47- 180 Deg Coefficient of Pressure vs. Velocity on the front of the model

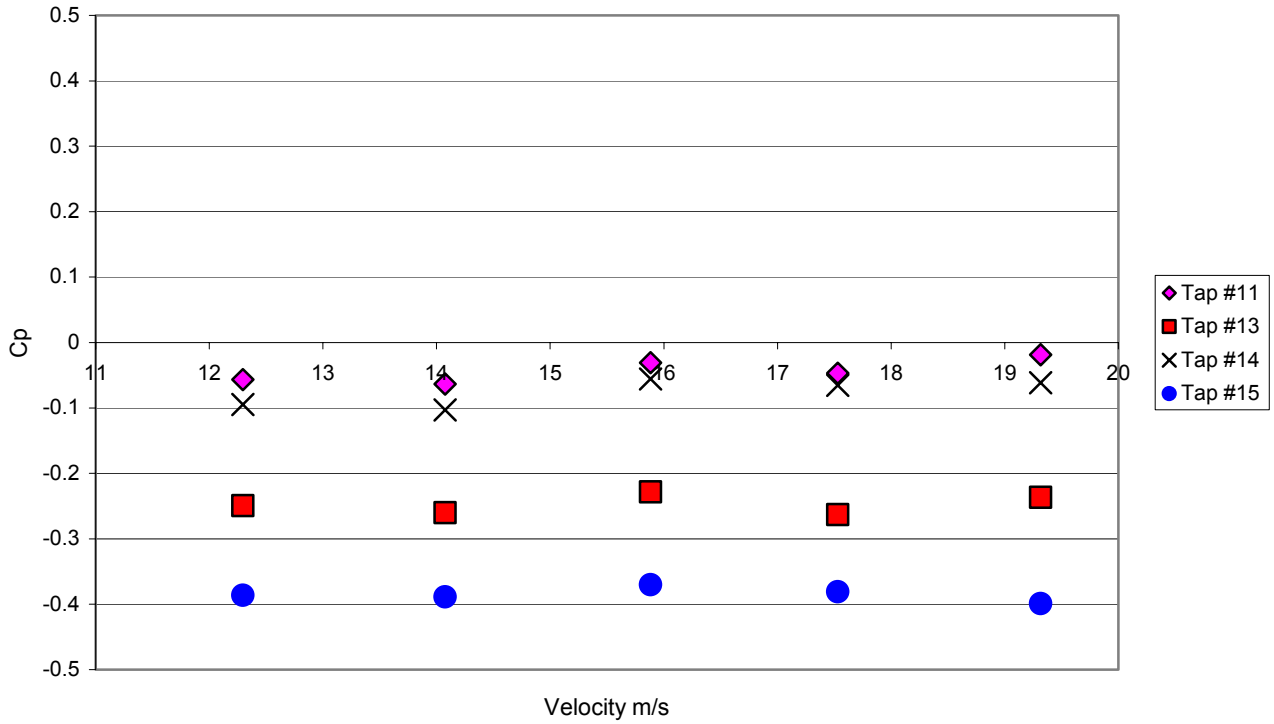

Figure 48- 180 Degree Coefficient of Pressure vs. Velocity on the top of the model