CE3105 Mechanics of Fluids Laboratory Department of Civil Engineering Texas Tech University

Experiment: Impact of a Jet - Data Sheet

Date of Experiment: \_\_\_ \_\_\_\_ \_**21**\_\_ Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Temperature of water, T= \_\_\_\_\_\_\_\_ ◦Celsius Water density, ρ = \_\_\_\_\_\_\_(lb/ft3) Gravity, g= 32.2 (ft/s2

|  |  |  |  |
| --- | --- | --- | --- |
| **FLAT PLATE** | | | |
| **TRIAL – TEAMS** | **DISTANCE *ƴ* (mm)** | **VOLUME *V* (L)** | **TIME *t* (s)** |
| **Team #1** |  |  |  |
| **Team #2** |  |  |  |
| **Team #3** |  |  |  |
| **Team #4** |  |  |  |
| **Team #5** |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **HEMISPHERICAL CUP VANE** | | | |
| **TRIAL – TEAMS** | **DISTANCE *ƴ* (mm)** | **VOLUME *V* (L)** | **TIME *t* (s)** |
| **Team #1** |  |  |  |
| **Team #2** |  |  |  |
| **Team #3** |  |  |  |
| **Team #4** |  |  |  |
| **Team #5** |  |  |  |

**Instructor’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Don Bundock**