

Table 2G-4. Wind Tunnel Velocity Pressure Cross-Check

Wind Tunnel Facility: _____

Date: _____

Wind Tunnel Temperature: _____

Barometric Pressure: _____

Test Point Locations: _____

Lowest Test Velocity in m/sec (ft/sec): _____

Highest Test Velocity in m/sec (ft/sec): _____

Port		Rep.	Velocity Pressure (ΔP_{std})	
			@ Lowest Test Velocity	@ Highest Test Velocity
Calibration Pitot Tube Location		1		
		2		
		3		
		Average		
Calibration Location Test Points *	1	1		
		2		
		3		
		Average		
		% Difference **		
	2	1		
		2		
		3		
		Average		
		% Difference **		
	..	1		
		2		
		3		
		Average		
		% Difference **		

* Measurements must be taken at all points in the calibration location as specified in section 10.1.1

** Percent Difference =
$$\frac{(\text{Calibration Location Test Point Avg} - \text{Cal. Pitot Tube Location Avg})}{\text{Cal. Pitot Tube Location Avg}} \times 100\%$$

Specification: At each velocity setting, the average velocity pressure obtained at the calibration location shall be within ± 2 percent or 0.01 in. H₂O, whichever is less restrictive, of the average velocity pressure obtained at the fixed calibration pitot tube location.