

Figure 5: Damped vs Undamped Lower Baffle (Longitudinal)

When a Lower Baffle panel is damped, resonances present in the undamped mounting are suppressed. Damping is effective.

Both traces include a mounted Lower Baffle panel with D1700236 prototypes, excited at the top of the structure in the Z direction (longitudinal). Accel mounted to cage.

Measurement 11 was damped with shoulder nuts tightened 1/2 turn past hand tight (under 10% compression)

Measurement 47 was undamped, with stainless steel washers used as spacers in place of viton o-rings

