

FS8 Pressure Suit Test Data 2025011705

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Suit model: FS8

Max Suit Pressure: 3.23 PSI

Inflation gas: air (78% nitrogen, 21% oxygen)

Total test duration: 170 seconds (2.8 minutes)

Operational notes: Human in the loop demonstration of skydiving postures at suit pressures: 1psi, 2psi and 3psi over ambient. Suit pressure slowly rises and the belly down position is held supported by tote.

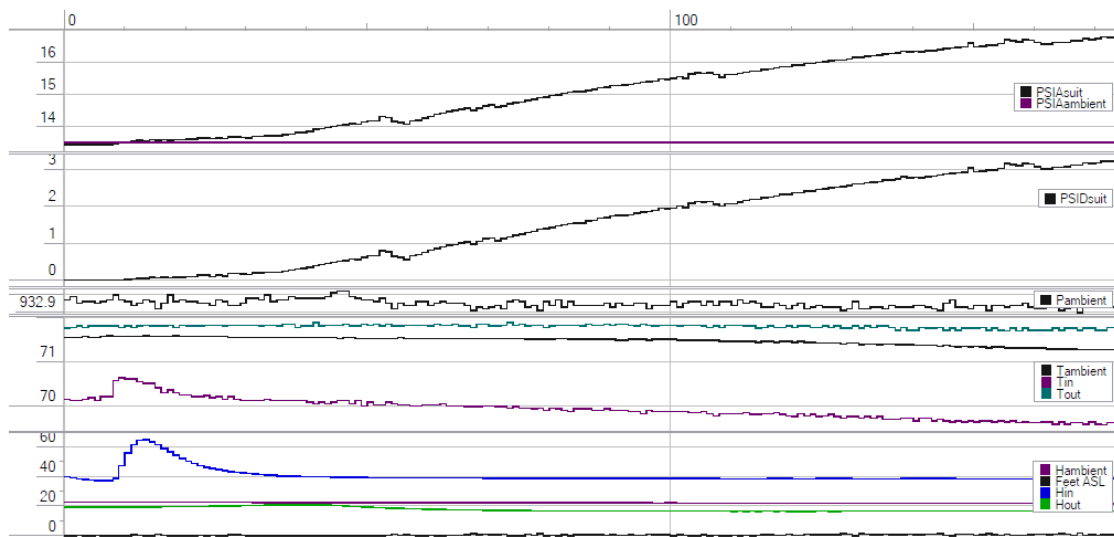


Figure 1 Suit in belly down skydive position

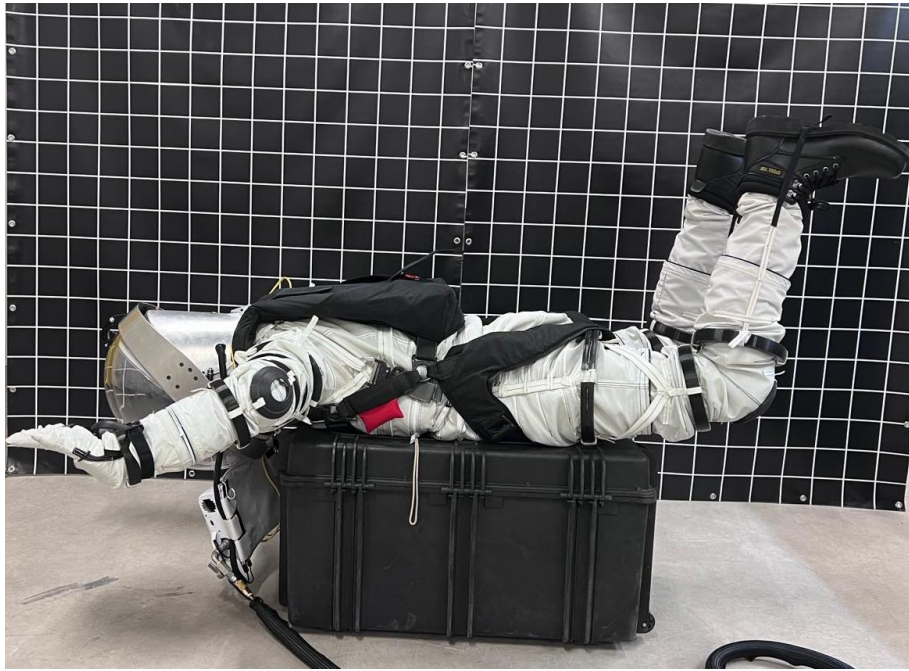


Figure 2 Suit, no pressure, belly down position

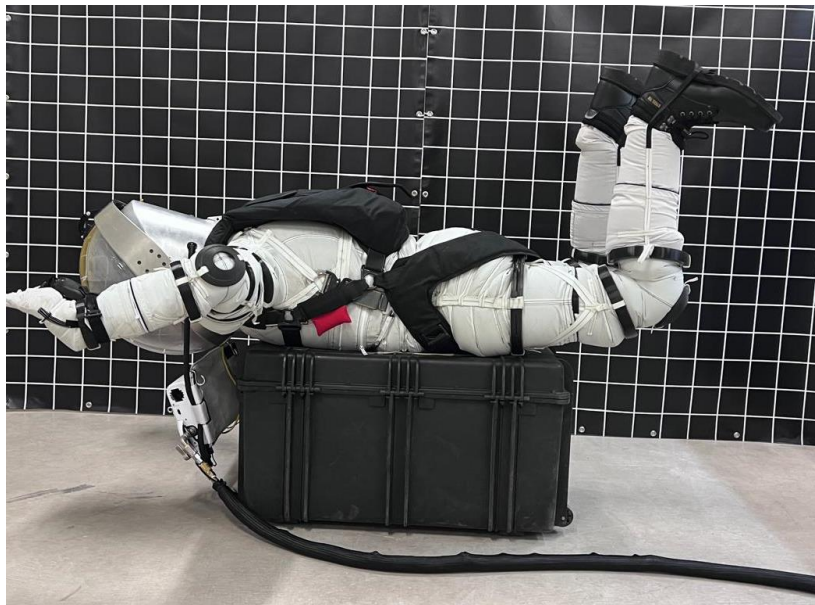


Figure 3 Suit, 1psid, belly down position



Figure 4 Suit, 2psid, belly down position



Figure 5 Suit, 3psid, belly down position