

## FAITH PSP Data

FAITH PSP data are provided in the following files:

faith_grid.p3d -	Plot3D multi-zone binary grid file
faith_psp_100fps.cfl -	Plot3d binary function file
faith_psp_150fps.cfl -	Plot3d binary function file

Both function files contain PSP data expressed as pressure coefficient (local pressure – static pressure) / dynamic pressure.

Data were acquired at the following conditions:

Condition 1: (faith\_psp\_100fps.cfl) Flow velocity is nominally 100 ft/s. Total pressure is 2140 lbs/ft<sup>2</sup> and static pressure is 11.77 lbs/ft<sup>2</sup>. Temperature is 67.5°F.

Condition 2: (faith\_psp\_150fps.cfl) Flow velocity is nominally 150 ft/s. Total pressure is 2140 lbs/ft<sup>2</sup> and static pressure is 26.31 lbs/ft<sup>2</sup>. Temperature is 66.3°F.

Note: As data were acquired in an indraft tunnel, static pressure = total pressure – dynamic pressure.