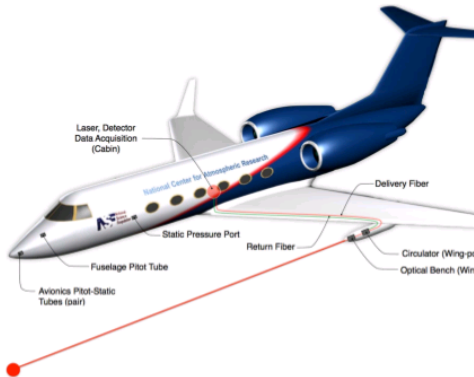


THE LASER AIR MOTION SENSING SYSTEM

Current Single Beam System (being modified to three beams):

- Coherent Doppler measurement
- Remote sensing in undisturbed air
- An absolute measurement (accuracy $\lesssim 0.1$ m/s)
- $V_{LAMS} \Rightarrow q$, dynamic pressure



Spuler, S. M., D. Richter, M. P. Spowart, and K. Rieken, 2011: Optical fiber-based laser remote sensor for airborne measurement of wind velocity and turbulence. *Applied Optics*, 50, 842-851.