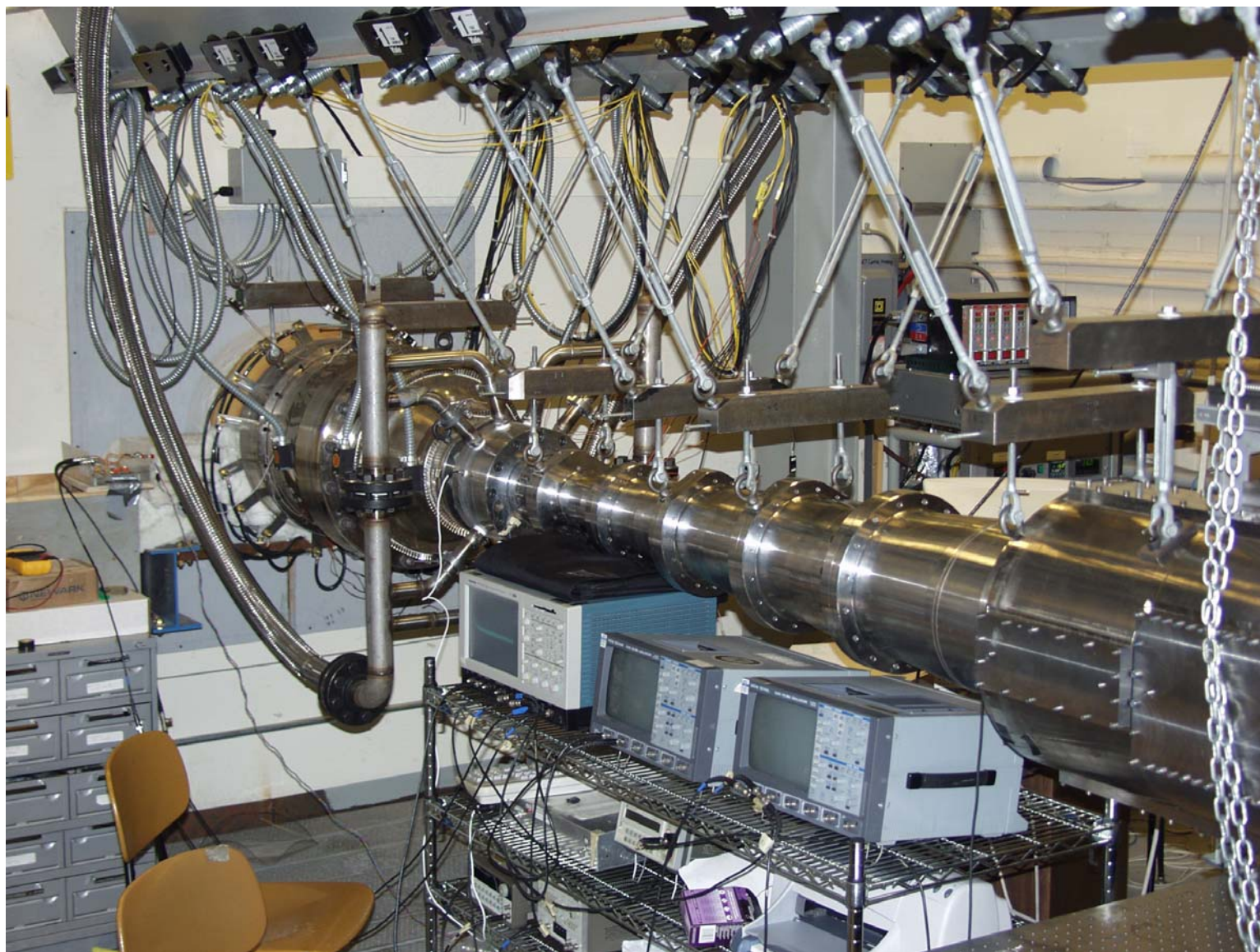
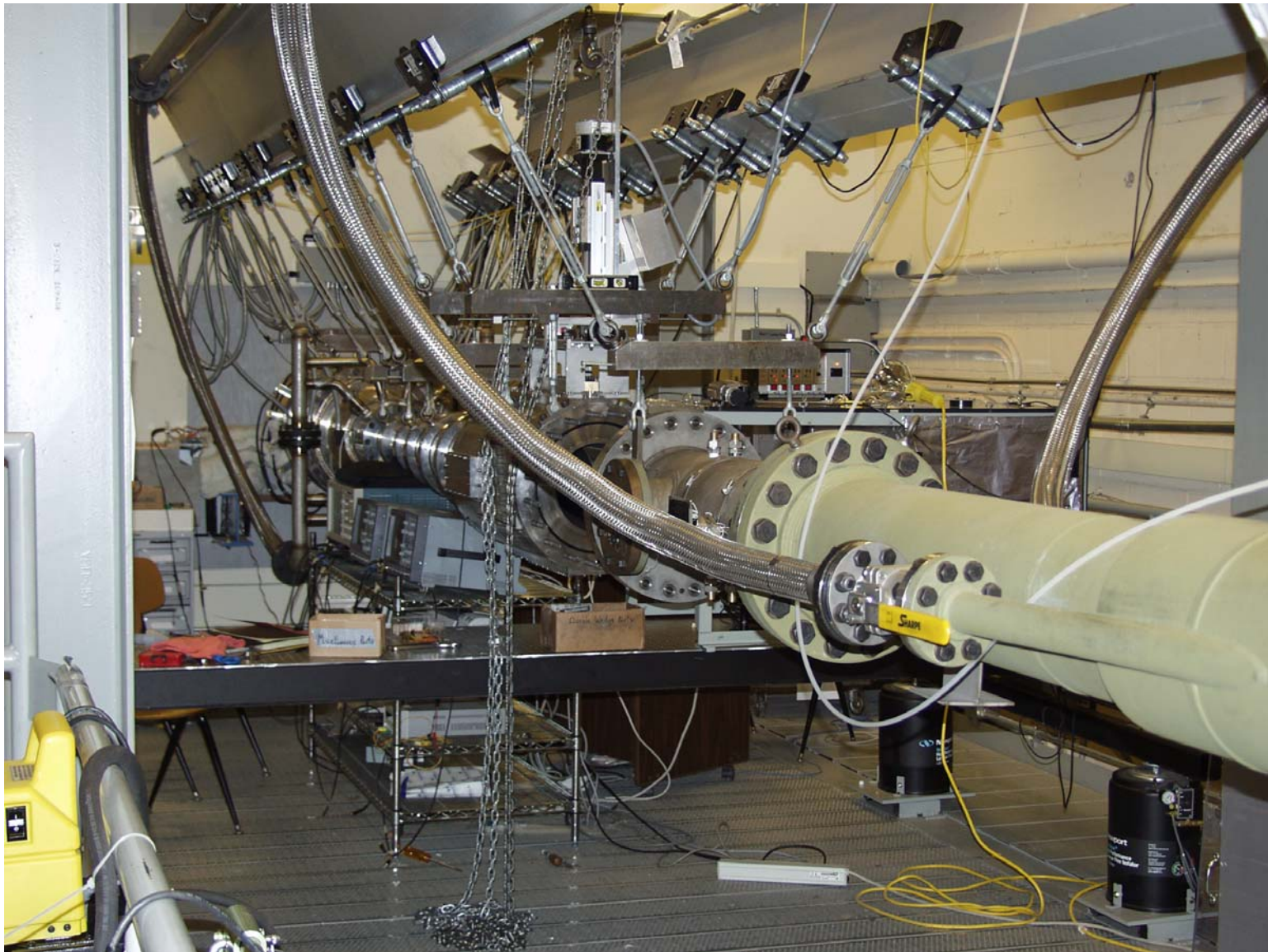


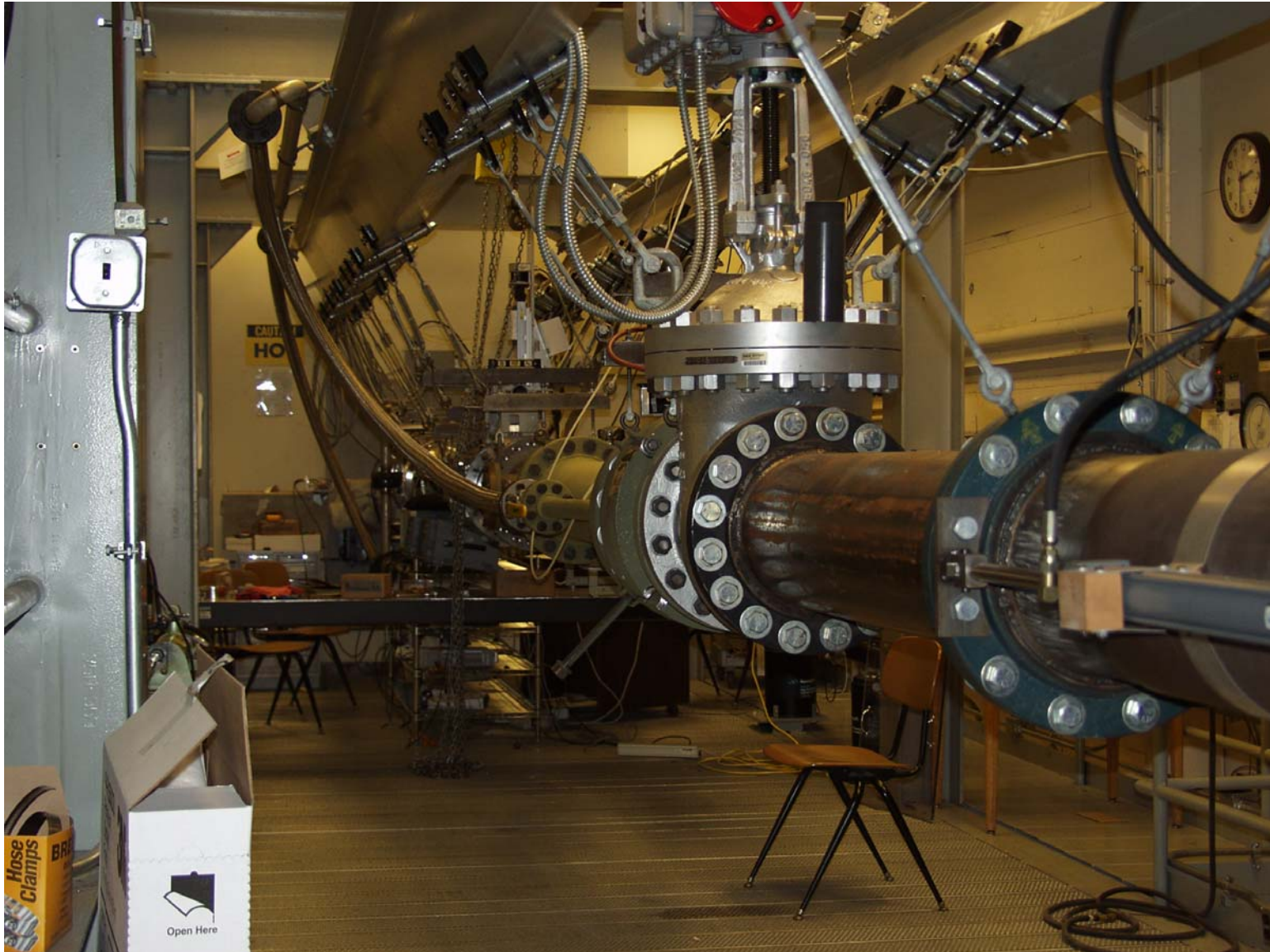
# Mach-6 Nozzle and Test Area, Feb. 2003



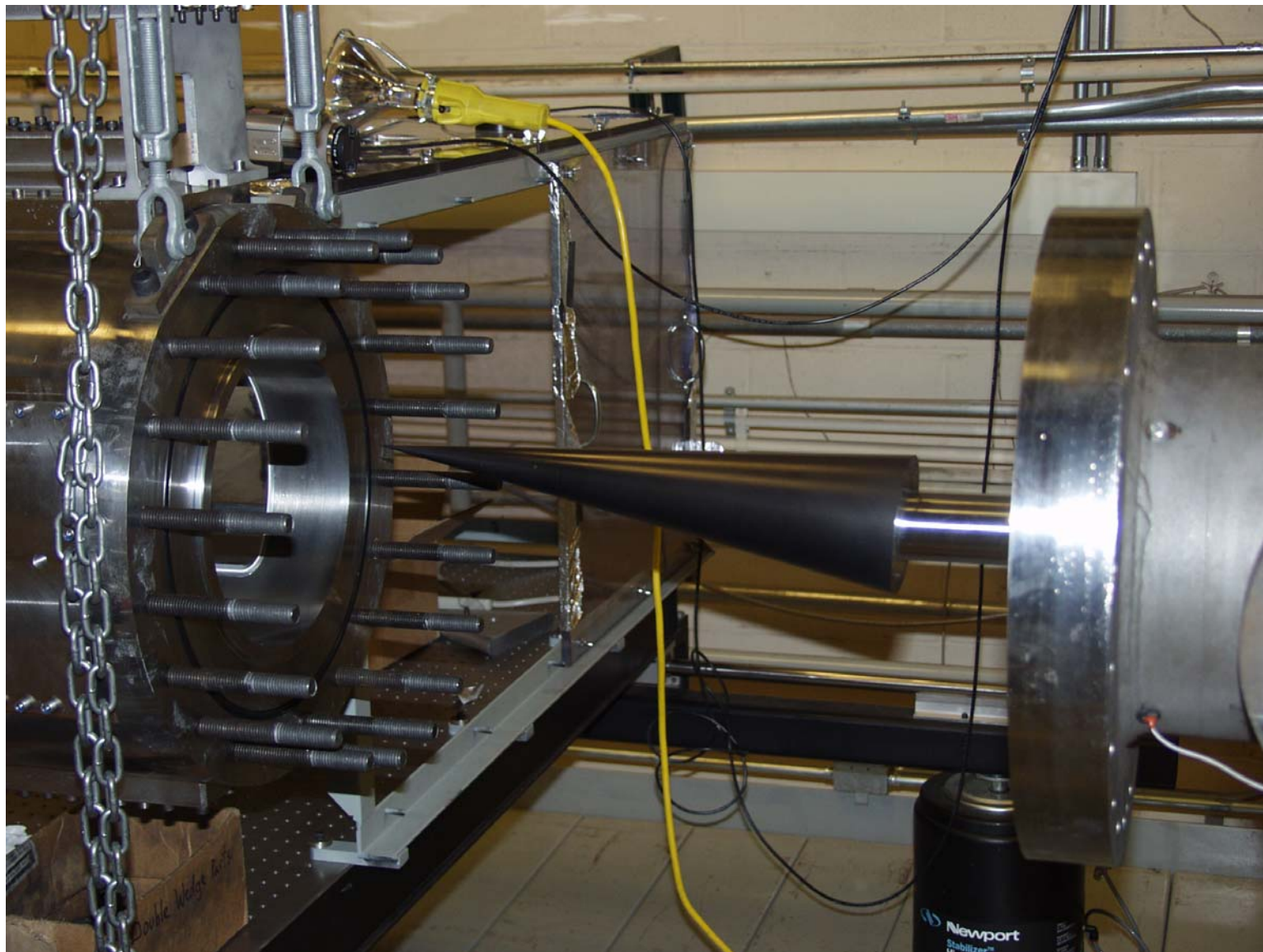
# Nozzle and Diffuser, Looking Upstream



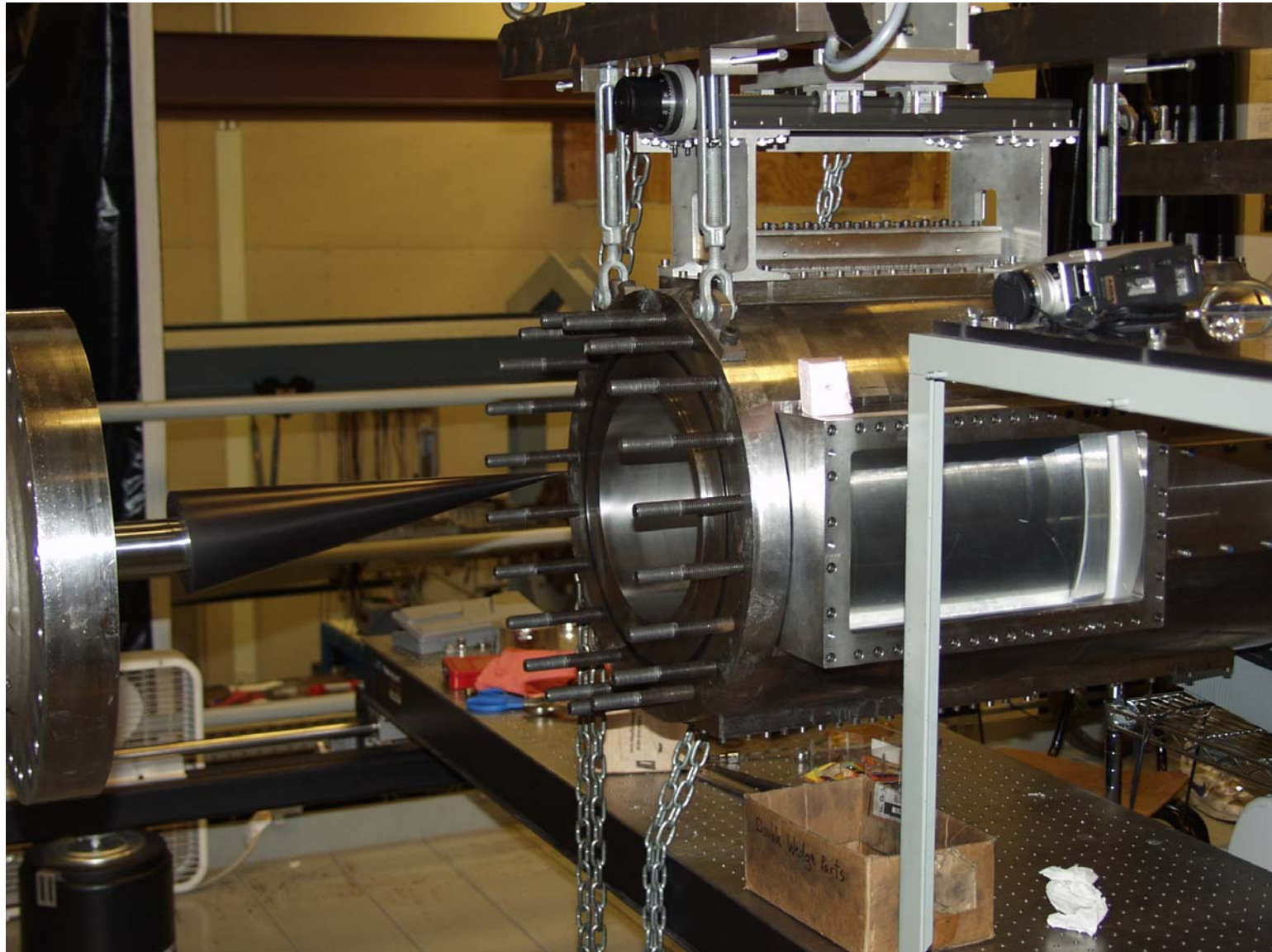
# Sliding Sleeve, Slow Valve, Burst Diaphragm, Looking Upstream



# Cone at AOA, Nozzle and Diffuser Separated

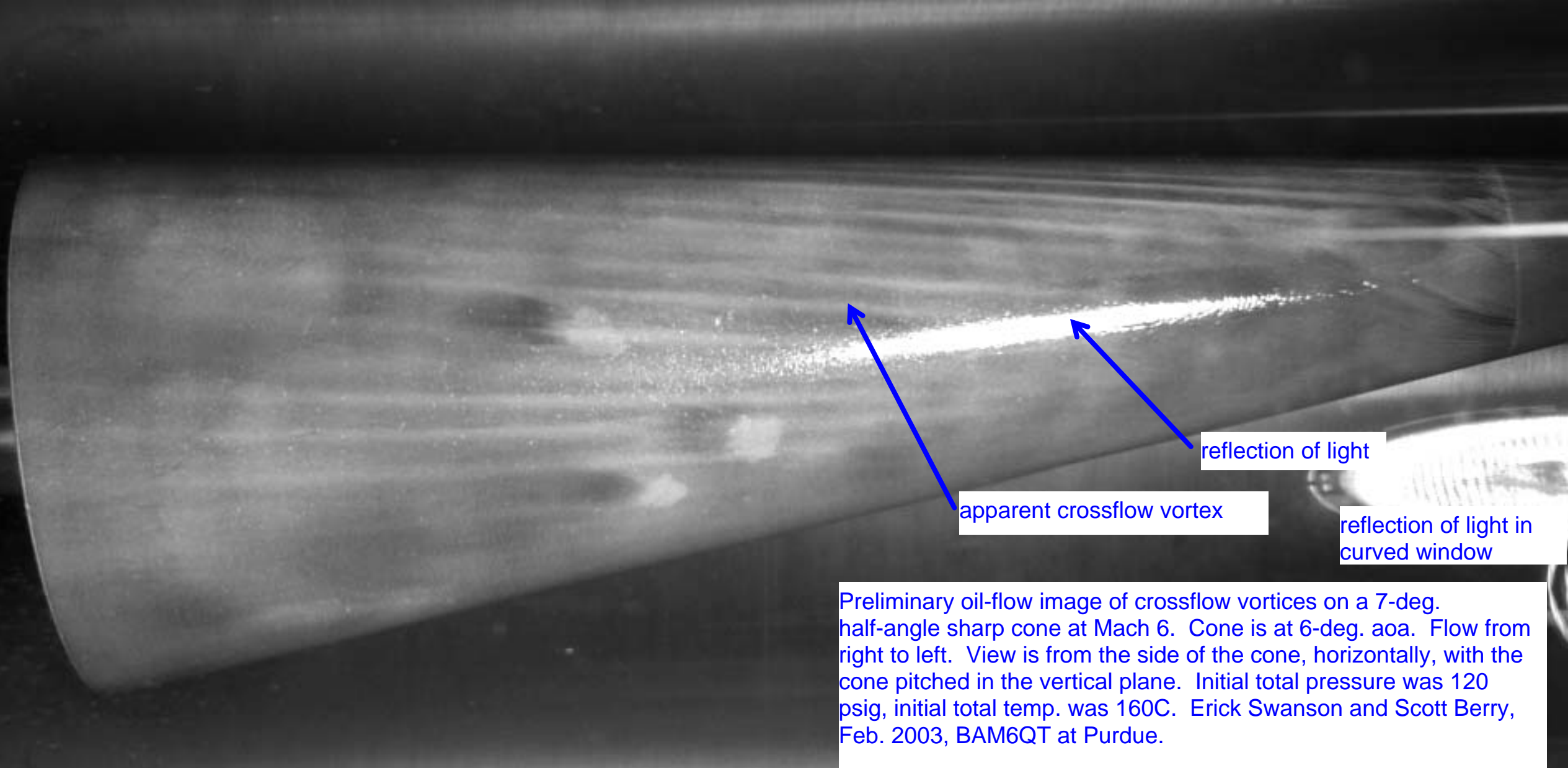


# Cone at AOA, Preparing to Insert in Nozzle, Window View



# Oil-Flow Streamlines, 7-Deg. Cone at 6-Deg. AOA, Mach-6





apparent crossflow vortex

reflection of light

reflection of light in curved window

Preliminary oil-flow image of crossflow vortices on a 7-deg. half-angle sharp cone at Mach 6. Cone is at 6-deg. aoa. Flow from right to left. View is from the side of the cone, horizontally, with the cone pitched in the vertical plane. Initial total pressure was 120 psig, initial total temp. was 160C. Erick Swanson and Scott Berry, Feb. 2003, BAM6QT at Purdue.