

AAE520 Course Projects for 2006

Tentative List. Groups 1-4 report Mon., Groups 5-10 on Wed.

- 1) Brandon Oliver, Rodrigo Segura, & Danny Lim, Mach-4 flow on cone-flare with LDI and hot wires
- 2) Jesse Jones & Cynthia Fitzgerald, Mach-4 measurements of heat transfer
- 3) Mikey Hannon & Jacob Pinheiro, Mach-6 tunnel measurements of BLT on Hyper2000 with hot wires
- 4) Andrew Martin & Chris Kester, SCRAM inlet flow in the 2-inch Mach 2.5 tunnel
- 5) Joe Chen & Ellen Amrock, Flow-induced vibration on cylinders in the wake tunnel
- 6) Kamlesh Nankani, Renith Richardson, & Aaron Mayne, Winglet effects. Wake and water Tunnel w/ LDV.
- 7) Matt Harvey, Eric Holley, & Loryn Ohlaug, LDV measurements in the water tunnel, fix the traverse and realign the optics
- 8) Bob Manning, Matt Lossmann, & Eric Leonard, PSP measurements on a wing in the Chicago blower tunnel (or wake tunnel?)
- 9) Anwar Torres & Melissa Sturridge, Forces and moments in the high contraction tunnel
- 10) Yoon Shin, Zhen Wang, & Paloma Mejia, Propeller-body interaction in high contraction tunnel