RELEASE NO. 92-155

LANGLEY STORY OPPORTUNITIES – JANUARY

FACILITY MODIFIED TO TEST LARGE SCALE SCRAMJET ENGINE: The first oxygen-enriched runs of Langley's 8-Foot High Temperature Tunnel, recently concluded, move the upgraded facility a step closer to large-scale tests of the National Aero-Space Plane Program scramjet engine design. The first such tests in the modified tunnel are scheduled to take place before the end of the year.
Still photograph of facility and interviews available.
Public Affairs contact: Keith Henry (804) 864-6124

NASA AERONAUTICS MANAGER TO DISCUSS FUTURE SUPersonic Airliners: Development of a supersonic airliner aimed at filling the rapidly growing long-haul air travel market will be outlined in a talk at Langley on Tuesday, Jan. 19. Louis J. Williams, director of High-Speed Research at NASA Headquarters in Washington, D.C., will present the lecture. Capturing this market is worth about $200 billion in sales and 140,000 new jobs. Studies indicate that HSCT may be feasible — but that the technology represents a difficult challenge.
A press briefing will be held at 1:15 p.m.
Public Affairs contact: Cathy Schauer (804) 864-6122/6124

KEY GREENHOUSE GAS TOPIC OF TALK: NASA Langley atmospheric scientist Doreen Neil will discuss the measurement and analysis of carbon monoxide, a key trace gas in studies of the global greenhouse effect. Neil will speak as part of the CEBAF Science Series in Newport News, Va., Feb. 16, in the CEBAF Main Auditorium at 7:30 p.m. Her talk will focus on measurements made with a Langley experiment, flown on the Space Shuttle, and what has been learned so far.
Still photographs and interview available.
CEBAF Public Affairs contact: Linda Ware (804) 249-7689
Langley Public Affairs contact: Cathy Schauer (804) 864-6122/6124

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WINDSHEAR TECHNOLOGY ADVANCES: A broad yet concise update of Langley's advance-warning windshear sensors program appears in Aerospace America magazine's January issue. The cover story, written by the deputy manager of Langley's Wind Shear Program Office, reviews the program from its inception to its recently completed flight-test phase. This rapidly developing technology is moving now from the research stage to the marketplace in order to meet approaching FAA deadlines. The NASA/FAA program is developing three sensors prototypes for possible use on commercial aircraft. The sensors notify pilots of hazardous microburst windshears, a weather phenomenon that has been implicated in fatal airline crashes.

Photos, graphics, fact sheets and interviews with NASA program participants are available. Public Affairs contact: Mike Finneran (202) 864-6126

FEATURE PHOTOGRAPHY:

F-18 COLLECTION: The McDonnell Douglas F-18 has been the subject of several recent wind tunnel investigations looking into various areas of interest, from thrust vectoring to the new stretch version designated the F-18E/F. Public Affairs contact: Keith Henry
Also available from NASA Headquarters Broadcast & Imaging Branch (202) 358-1900

AVIATION WEEK '92 PHOTO CONTEST WINNERS: In their end-of-year photo issue, Aviation Week & Space Technology magazine features five Langley photographs. Langley photographs won top awards, sweeping the Aeronautics/Astronautics category. The photographs are: 14 x 22-Foot subsonic tunnel fan section, X-31 drop model, F-18E/F model, hypersonic vacuum spheres, 737 awaits night takeoff at Orlando. Public Affairs contact: Keith Henry (804) 864-6120
Also available from NASA Headquarters Broadcast & Imaging Branch (202) 358-1900

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