

# AVIATION WEEK *& SPACE* TECHNOLOGY

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## **F-22** **FIRST FLIGHT**



**U.S.**  
**AIR FORCE**  
**READY FOR**  
**THE FUTURE?**

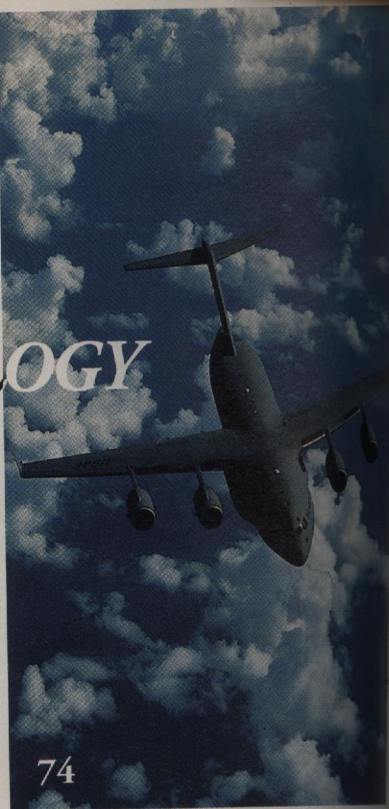
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# AVIATION WEEK & SPACE TECHNOLOGY



## HEADLINE NEWS

### F-22 Raptor meets first-flight goals

Designed to dominate future battles by giving pilots a first-look, first-shot, first-kill capability 22

### Surveyor captured in Mars orbit

First orbiter to arrive at Mars since-1989 25

### Crooked solar wing forces MGS aerobraking changes

Wing is 19 deg. short of full latched opening at hinge between inboard solar panel and attachment yoke 26

### New Satcom proposals to push frontier of radio spectrum

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To land small spacecraft to gain scientific data, mining rights 94

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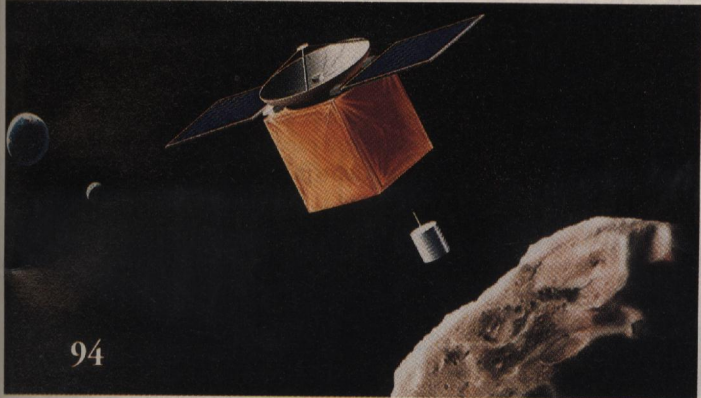
### AIR pins hopes on turboprops

Believes market will remain robust, despite regional carriers' growing interest in small twinjets 35

<http://www.awgnet.com>

Aviation Week's Web site offers selected articles from the current issue, as well as daily news updates, the Safety Resource Center, a gallery of photos and features from special issues. It's also a great jumping off spot for surfing to other aerospace sites. We're available on CompuServe, too; just GO AWG.





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### About the Cover

The Lockheed Martin-Boeing F-22 Raptor made its first flight on Sept. 7 from Dobbins Air Reserve Base, near Marietta, Ga. (see p. 22). Lockheed Martin's Paul Metz piloted the aircraft on the 58-min. flight. F-22 team photo by James Holcomb.

### MES expands business base

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