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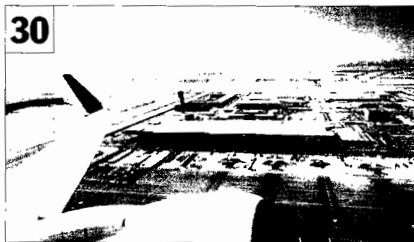
France Bureau Chief Thierry Dubois tests an augmented-reality head-mounted display (HMD) in a Thales simulator in Bordeaux while reporting with **Safety Editor John Croft** on Thales's increasing use of data analytics and artificial intelligence (see page 82). To aid pilots in poor-visibility conditions, the HMD superimposes the image of a runway over the actual view of the runway out the window. Thales photo.



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DEFENSE

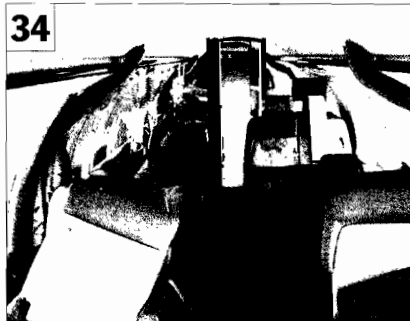
- 20 The F-35A will make its much-anticipated Paris debut this year
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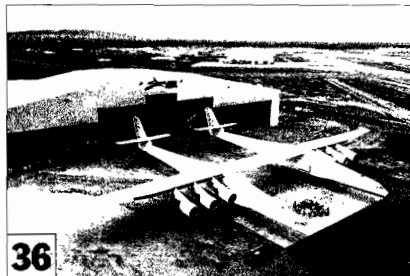
- 30 Middle East political drama scrambles Big Three Gulf carriers



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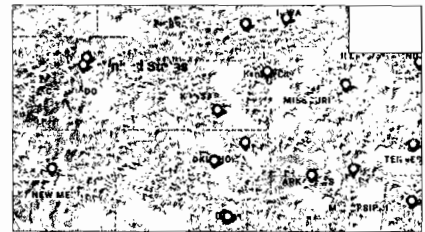
- 34 Turbulence caused by wake vortices in cruise gets fresh look



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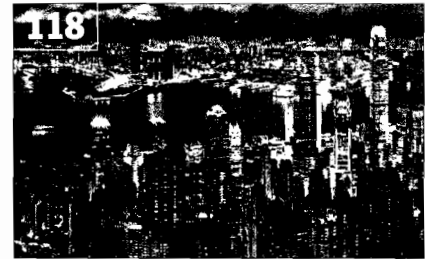
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ON THE COVER

As the biennial Paris Air Show begins, Airbus and other European aerospace companies are reinventing themselves to be more nimble, more digital and less politically driven. A special report begins on page 64. The cover image is a NASA composite from the Visible Infrared Imaging Radiometer Suite on the Suomi National Polar-orbiting Partnership satellite operated by the U.S. National Oceanic and Atmospheric Administration.

Also in this issue: Programs to watch (pages 96-107) and Europe's up-and-comers (pages 70-91).

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