

## Lightning Over Luke

Photography by Jim Haseltine Text by Gideon Grudo

61 FS #5050

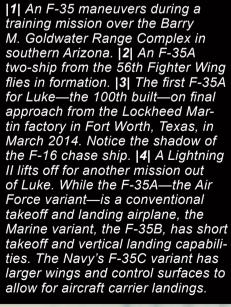
The Arizona skies, long home to F-16s, now also host USAF F-35A pilots and those from other nations. F-35A Lightning II fighters and the pilots and maintainers who operate them are at Luke AFB, Ariz., and not necessarily working with airframes from their own countries. A Dutch pilot may well train on an Australian fighter, for instance. Of the 22 F-35As already assigned to the base, two belong to the Royal Australian Air Force. Eventually, Luke will have 144 F-35As for six squadrons.

At left, a four-ship of 61st Fighter Squadron F-35As fly in formation over the south rim of the Grand Canyon. Two of them belong to USAF and the other two to RAAF.

























|1| A lineup of F-35As sit under sun shades on the ramp. The 61st is the first Luke squadron to fly the F-35A. |2| SSgt. Michael Seymour performs postflight checks on a helmet-mounted display system. Though there were problems with early batches of the helmet, F-35 Program Executive Officer Lt. Gen. Christopher Bogdan says those issues were resolved in 2014. |3| A pair of F-35 pilots practice formation flying. |4| The 61st FS flagship. To allow radar to see the stealthy F-35 in practice, radar reflectors are mounted ahead of the verticals.





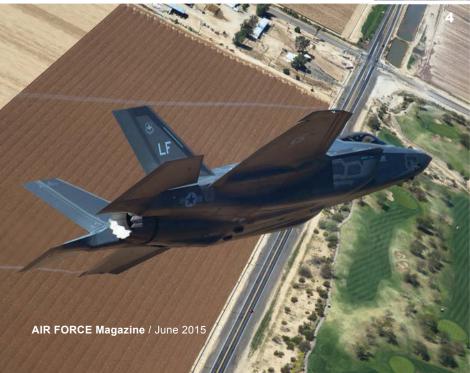












|1| An F-35A accelerates into the night sky in full afterburner, showing the power of the Pratt & Whitney F135 engine. While using afterburner, however, the F-35A is noisier than its predecessors, as it generates 43,000 pounds of thrust. |2| Crew Chief SSgt. Andrew Hensen goes through a startup with an F-35 pilot. |3| Luke was chosen for the advanced training mission because of its good flying weather and access to many nearby ranges. |4| The first F-35A at Luke breaks left in the overhead pattern coming in to land at the base. More than 2,500 F-35s are planned—1,763 for USAF—and are expected fly for 40 years or more, meaning Luke will be generating pilots well into the 2060s. •