Aquila Photo Captions

01 – A crane lowers Aquila onto a dolly.
02 – Aquila in position prior to takeoff. (From left: Kathryn Cook, technical program manager for Aquila; Yael Maguire, head of Connectivity Lab; Mark Zuckerberg, Facebook founder and CEO; Jay Parikh, global head of engineering and infrastructure)
03 – Pre-flight.
04 – Aquila on the runway.
05 – Aquila moments after takeoff.
06 – Aquila in flight, wing view 1.
07 – Aquila in flight, wing view 2.
08 – Mark with some key members of the team at the test site. (From left: Mark Zuckerberg, Facebook founder and CEO; Jay Parikh, global head of engineering and infrastructure; Kathryn Cook, technical program manager for Aquila; Yael Maguire, head of Connectivity Lab)
09 – Aquila in flight, aerial view.
10 – Mark and the team watching the flight.
11 – Andy Cox, chief aeronautical engineer, checking wind speed.
12 – Martin Gomez, head of aeronautical platforms, in the engineering station.
13 – Kathryn Cook, technical program manager for Aquila, prior to takeoff.
14 – Jay Parikh, global head of infrastructure and engineering.
15 – Yael Maguire, PhD, head of Connectivity Lab.
16 – A map showing the distribution of 4G, 3G and 2G connections around the world (as of February 2016).
17 – Connectivity and population distribution maps.
18 – Our team designed and lab-tested a laser that can deliver data at 10s of Gbps — approximately 10x faster than the previous state-of-the-art — to a target the size of a dime from more than 10 miles away.
19 – Illustration of a laser hitting a dime from 11 miles away.
20 – A fleet of Aquila airplanes communicating via free space optics (lasers).
21 – Connectivity Lab is working on a range of new technologies to make internet access available and affordable, ranging from terrestrial solutions (Terragraph and ARIES) to UAVs (Aquila) to satellites for the most remote areas (AMOS 6).
22 – Aquila Infographic.