1
00:00:07,509 --> 00:00:12,139
NASA's alternative jet fuel
research was recently showcased at a combination

2
00:00:12,139 --> 00:00:17,750
NASA Social and media day at the Armstrong
Flight Research Center's facility in Palmdale, California

3
00:00:17,750 --> 00:00:20,970
We love NASA Socials because not only does it

4
00:00:20,970 --> 00:00:26,700
get people in the room and build excitement about our programs, but it allows people to share our programs

5
00:00:26,700 --> 00:00:29,329
with their friends. Which allows us to get
feedback.

6
00:00:29,329 --> 00:00:34,370
The fuels that we are burning are actually
certified for everyday commercial use.

7
00:00:34,370 --> 00:00:39,280
The event gave journalists and social media
users an opportunity to learn more about the research

8
00:00:39,280 --> 00:00:45,210
into the effects of synthetic and biofuels
on engine performance, emissions and aircraft-generated

9
00:00:45,210 --> 00:00:50,970
contrails, at altitudes typically flown by
commercial airliners.

10
00:00:50,970 --> 00:00:54,960
The Alternative Fuel Effects on Contrails
and Cruise Emissions flight experiment

11
00:00:54,960 --> 00:01:00,620

or ACCESS II -- includes aircraft and scientific
contributions from NASA's Armstrong, Glenn

12
00:01:00,620 --> 00:01:05,469
and Langley Research Centers. The German Aerospace
Center and the National Research Council of

13
00:01:05,469 --> 00:01:10,700
Canada are international partner agencies
involved in the research.

14
00:01:10,700 --> 00:01:14,930
During the morning, participants were briefed
on the ACCESS II experiment by scientists,

15
00:01:14,930 --> 00:01:19,390
pilots and other officials involved in the
research, followed by tours of the specialized

16
00:01:19,390 --> 00:01:24,710
aircraft being flown in ACCESS II.
Basically we have experimenters come from all over.

17
00:01:24,710 --> 00:01:26,780
In the afternoon, the visitors were briefed

18
00:01:26,780 --> 00:01:31,240
on current aeronautics technology research
at NASA Armstrong's main campus at Edwards

19
00:01:31,240 --> 00:01:36,340
Air Force Base. They also saw the Global Hawk
Earth science aircraft, toured the center's

20
00:01:36,340 --> 00:01:41,330
model shop, the experimental fabrication shop,
and also engaged in a question-and-answer

21
00:01:41,330 --> 00:01:47,470
session with NASA research pilots and engineers.

One engineer got this idea to tow a glider

22
00:01:47,470 --> 00:01:53,170
behind another airplane and launch a rocket
from it to put a payload into orbit. We are