



COMMERCIAL CREW

PROGRAM

THE FLIGHT TESTS

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00:00:05,089 --> 00:00:10,980

GLOVER: We're going to have an orbital flight test, a test without the crew in it, of each

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00:00:10,980 --> 00:00:14,600

vehicle, and then we're going to have the first flight with crew in them, to prove that

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00:00:14,600 --> 00:00:17,609

these systems are ready to fly people to space.

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00:00:17,609 --> 00:00:21,010

TRUPATHY: These demonstration missions are important for astronaut safety because, you

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00:00:21,010 --> 00:00:25,430

know the folks around here that I work with, we all asked ourselves, would we be comfortable

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00:00:25,430 --> 00:00:28,029

flying our own family on board this vehicle?

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00:00:28,029 --> 00:00:32,119

And the answer has to be yes, and so because of that we need to make sure we test these

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00:00:32,119 --> 00:00:33,790

as much as we can.

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00:00:33,790 --> 00:00:38,460

FERGUSON: Since we're dealing with a new generation of people who are putting human

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00:00:38,460 --> 00:00:43,510

space vehicles together again, I think it's important to impress upon them every day that

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00:00:43,510 --> 00:00:46,420

there is not a day where their attention can

waver.

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00:00:46,420 --> 00:00:52,360

GOOD: We can test them down here on Earth,
we can put them in vacuum chambers and acoustic

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00:00:52,360 --> 00:00:57,770

chambers and, you know, do thermal tests on
them, but there's nothing like going up

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00:00:57,770 --> 00:00:59,940

and putting them in the real environment.

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00:00:59,940 --> 00:01:05,229

VEGA: That will give us a lot of insight on
the vehicle performance, the functional systems,

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00:01:05,229 --> 00:01:09,770

even the abort system will be active on that
vehicle.

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00:01:09,770 --> 00:01:14,380

HOPKINS: That's why these initial test flights
are so important, because you need to see—it's

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00:01:14,380 --> 00:01:17,859

not just the hardware—it's also the software,
it's the people, it's the procedures,

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00:01:17,859 --> 00:01:20,579

it's the whole thing coming together.

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00:01:20,579 --> 00:01:25,249

WILLIAMS: Boeing's supposed to land on land,
SpaceX is supposed to land in water.

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00:01:25,249 --> 00:01:29,729

Those are two hugely different environments,
so there's a little bit of interest in the

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00:01:29,729 --> 00:01:34,049

survival equipment that's located in the spacecraft as well, where that's going to

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00:01:34,049 --> 00:01:36,130

be, how that's going to work.

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00:01:36,130 --> 00:01:41,419

LUEDERS: This is a really critical aspect of the NASA job, is to continue to have that

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00:01:41,419 --> 00:01:46,389

dialogue with the contractors about, well why did you do that, you know why was that

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00:01:46,389 --> 00:01:47,389

safer?

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00:01:47,389 --> 00:01:52,630

SIMS: This is someone's family member, husband, wife, uncle, aunt.