



NASA

N808NA

WORLDWIDE AIRCRAFT CORPORATION

1
00:00:02,986 --> 00:00:04,496
>> NASA's G-3 aircraft

2
00:00:04,646 --> 00:00:08,106
out of Armstrong Flight Research
Center will feed the world live

3
00:00:08,106 --> 00:00:11,546
video coverage of the eclipse
from the west coast of Oregon

4
00:00:11,696 --> 00:00:13,716
as it begins its
path across America.

5
00:00:13,796 --> 00:00:17,556
So, we hope to bring that
view through the eyes of NASA.

6
00:00:19,036 --> 00:00:21,476
We go out there and modify
aircraft all the time,

7
00:00:21,476 --> 00:00:23,926
so we can go out there
and do NASA science.

8
00:00:24,676 --> 00:00:25,516
It's what we do.

9
00:00:31,376 --> 00:00:33,316
In the case of this
aircraft, we've gone out there

10
00:00:33,316 --> 00:00:36,536
and taken the normal passenger
windows, and replaced them

11
00:00:36,536 --> 00:00:40,776

with optical-grade windows,
plus put in a telemetry system

12

00:00:40,846 --> 00:00:43,316

so we can go out there and
provide real-time video.

13

00:00:45,396 --> 00:00:49,166

With these optical-grade
windows, it allows our photo

14

00:00:49,166 --> 00:00:50,956

and video teams to go out there,

15

00:00:50,986 --> 00:00:56,146

and capture high-resolution
video at 35,000 feet to present

16

00:00:56,236 --> 00:00:57,596

to the world this rare event.

17

00:00:58,556 --> 00:01:01,576

And, using this event to go
out there and educate people,

18

00:01:01,656 --> 00:01:03,376

I think, is an exciting
proposition.

19

00:01:06,196 --> 00:01:08,186

>> Alright, just about to
turn, we'll be almost--

20

00:01:08,496 --> 00:01:11,476

>> From a pilot's perspective,
we want to make sure we get

21

00:01:11,476 --> 00:01:13,646

to the right spot, and
also there are limitations

22

00:01:13,766 --> 00:01:15,776
for what our photographers
can do.

23

00:01:17,156 --> 00:01:20,166
We pushed it as far west as
we could go, so we could get

24

00:01:20,216 --> 00:01:21,516
that as early as possible,

25

00:01:21,516 --> 00:01:23,426
and as low on the
horizon as possible.

26

00:01:23,426 --> 00:01:27,156
And, that put us at about
Lincoln City, Oregon,

27

00:01:27,486 --> 00:01:30,276
which is the farthest west
point right on the West Coast.

28

00:01:30,366 --> 00:01:33,496
So, we set up a holding
pattern, or a racetrack pattern,

29

00:01:33,496 --> 00:01:34,506
right over Lincoln City.

30

00:01:34,786 --> 00:01:37,876
We know exactly the width
of the totality swath.

31

00:01:38,266 --> 00:01:40,716
With that, we did some
mission planning, again,

32

00:01:40,716 --> 00:01:42,596
to make sure we know what
the stall speeds are,

33

00:01:42,596 --> 00:01:44,776
the slowest speeds, the
safest speeds to fly,

34

00:01:45,126 --> 00:01:47,956
the speeds that will give
us the most time inside the

35

00:01:47,956 --> 00:01:48,956
totality region.

36

00:01:48,956 --> 00:01:51,066
We can slip the airplane,

37

00:01:51,386 --> 00:01:52,966
that will give us
some more bank angle,

38

00:01:52,966 --> 00:01:54,926
which lets our cameras
see a little bit higher.

39

00:01:55,376 --> 00:01:57,316
>> Alright, you guys ready to
turn it again for a partial?

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00:01:57,716 --> 00:02:00,146
>> All of those kinds of
things were what went into the,

41

00:02:00,680 --> 00:02:02,880
from a pilot's standpoint,
planning this out.

42

00:02:03,080 --> 00:02:05,100
>> NASA 808...MOF 1

43

00:02:05,320 --> 00:02:07,380

>> It's hard to be
able to transmit video

44

00:02:07,506 --> 00:02:09,406

from flight, real-time.

45

00:02:10,016 --> 00:02:12,036

The airplane, we put
special equipment in that,

46

00:02:12,036 --> 00:02:15,566

and then that will transmit that
signal down to a mobile facility

47

00:02:15,876 --> 00:02:18,936

with antennas on it, that
we have prepositioned,

48

00:02:19,196 --> 00:02:21,516

and that's a high-definition
signal that will come

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00:02:21,516 --> 00:02:24,196

down to the truck, and then
the truck can re-transmit it

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00:02:24,196 --> 00:02:25,406

out onto the wire.

51

00:02:25,406 --> 00:02:28,716

I think it makes us proud of
what we do, and that we're able

52

00:02:28,716 --> 00:02:31,286

to share it with everybody
around the world, in this case,