



1
00:00:01,500 --> 00:00:05,860
I believe it was about eight years ago,
when with, the encouragement of Dr.

2
00:00:05,870 --> 00:00:09,950
Ghassem Asrar was NASA's Associate
Administrator for the Earth science

3
00:00:09,950 --> 00:00:11,180
Enterprise at that time.

4
00:00:12,360 --> 00:00:14,800
We started to look at new technologies

5
00:00:14,800 --> 00:00:16,360
and new capabilities

6
00:00:17,100 --> 00:00:18,260
and new capability platforms

7
00:00:18,260 --> 00:00:20,640
for future Airborne Science missions.

8
00:00:21,680 --> 00:00:23,760
The Global Hawk quickly emerged

9
00:00:24,440 --> 00:00:26,580
as the platform to watch.

10
00:00:27,260 --> 00:00:29,440
And as it proved its capabilities

11
00:00:29,440 --> 00:00:32,040
and its reliability over the years,

12
00:00:32,620 --> 00:00:34,060
we started to get serious

13

00:00:34,160 --> 00:00:35,840

about trying to acquire the aircraft

14

00:00:36,620 --> 00:00:38,320

for Airborne Science applications.

15

00:00:39,920 --> 00:00:42,560

What you see here today is a result of that quest,

16

00:00:43,160 --> 00:00:46,560

the first Global Hawk Airborne Science platform.

17

00:00:49,060 --> 00:00:51,740

The Global Hawk aircraft represents a real paradigm shift

18

00:00:52,040 --> 00:00:54,180

for Airborne Science and NASA.

19

00:00:55,140 --> 00:00:56,400

Large payloads,

20

00:00:57,180 --> 00:00:58,520

very long duration,

21

00:00:58,520 --> 00:01:02,680

high-altitude and extensive range capabilities.

22

00:01:03,340 --> 00:01:06,080

All packaged in the highly-reliable, fully-autonomous,

23

00:01:06,080 --> 00:01:08,860

unmanned aerial vehicle system.

24

00:01:10,120 --> 00:01:13,300

I believe it has the potential to enable great things.

25

00:01:14,220 --> 00:01:16,900

Unprecedented Earth Science observations

26

00:01:17,540 --> 00:01:19,640

to help better understand and characterize.

27

00:01:20,120 --> 00:01:22,540

global climate and environmental changes