



1  
00:00:05,030 --> 00:00:02,389  
senior scientist george mcadonis

2  
00:00:09,190 --> 00:00:07,510  
while he works to process these blood

3  
00:00:11,350 --> 00:00:09,200  
samples drawn july 8th

4  
00:00:13,110 --> 00:00:11,360  
as close to undock as possible from

5  
00:00:14,150 --> 00:00:13,120  
astronauts aboard the international

6  
00:00:16,710 --> 00:00:14,160  
space station

7  
00:00:18,070 --> 00:00:16,720  
he's with nasa's human immunology and

8  
00:00:20,150 --> 00:00:18,080  
virology lab

9  
00:00:22,630 --> 00:00:20,160  
which for decades has been observing how

10  
00:00:23,670 --> 00:00:22,640  
space flight affects astronauts immune

11  
00:00:25,910 --> 00:00:23,680  
systems

12  
00:00:27,910 --> 00:00:25,920  
scientists want to figure out why

13  
00:00:28,950 --> 00:00:27,920

because if the goal is to go into deep

14

00:00:30,870 --> 00:00:28,960

space exploration

15

00:00:32,310 --> 00:00:30,880

to go to the moon and then to mars it's

16

00:00:33,430 --> 00:00:32,320

very important that we maintain the

17

00:00:35,830 --> 00:00:33,440

health of the astronauts

18

00:00:36,790 --> 00:00:35,840

and it's important he work quickly with

19

00:00:39,190 --> 00:00:36,800

these samples

20

00:00:39,830 --> 00:00:39,200

this thin white band are the immune

21

00:00:43,350 --> 00:00:39,840

cells

22

00:00:46,069 --> 00:00:43,360

and those start to deteriorate 48 hours

23

00:00:48,549 --> 00:00:46,079

after the blood is drawn but thanks to

24

00:00:51,110 --> 00:00:48,559

spacex's redesign of its cargo dragon

25

00:00:53,430 --> 00:00:51,120

which allows for faster unloading and a

26  
00:00:54,310 --> 00:00:53,440  
splashdown location near nasa's kennedy

27  
00:00:57,670 --> 00:00:54,320  
space center

28  
00:01:00,310 --> 00:00:57,680  
scientists like macadonis did not

29  
00:01:01,750 --> 00:01:00,320  
have to wait long dragon undocked the

30  
00:01:03,590 --> 00:01:01,760  
morning of july 8th

31  
00:01:04,950 --> 00:01:03,600  
then splashed down off the coast of

32  
00:01:07,830 --> 00:01:04,960  
florida around 11

33  
00:01:09,030 --> 00:01:07,840  
30 pm july 9th a helicopter then

34  
00:01:12,070 --> 00:01:09,040  
delivered the more than

35  
00:01:12,870 --> 00:01:12,080  
5 300 pounds of cargo and science

36  
00:01:15,270 --> 00:01:12,880  
experiments

37  
00:01:16,149 --> 00:01:15,280  
to nasa's kennedy space center around 2

38  
00:01:23,350 --> 00:01:16,159

50 a.m

39

00:01:27,270 --> 00:01:25,510

for those keeping score we're now at

40

00:01:30,870 --> 00:01:27,280

about 40 hours

41

00:01:32,789 --> 00:01:30,880

transportation teams moved it all

42

00:01:34,550 --> 00:01:32,799

quickly

43

00:01:36,870 --> 00:01:34,560

into the space station processing

44

00:01:39,109 --> 00:01:36,880

facility where support scientists had

45

00:01:40,950 --> 00:01:39,119

labs ready for researchers who had to

46

00:01:42,550 --> 00:01:40,960

start working on their experiments

47

00:01:44,710 --> 00:01:42,560

right away these researchers have been

48

00:01:46,550 --> 00:01:44,720

doing these studies for

49

00:01:48,630 --> 00:01:46,560

sometimes years so we want to make sure

50

00:01:49,749 --> 00:01:48,640

that we have everything set exactly as

51

00:01:51,749 --> 00:01:49,759

they need it

52

00:01:52,950 --> 00:01:51,759

in the end macadonis received the blood

53

00:01:56,310 --> 00:01:52,960

samples about

54

00:01:58,630 --> 00:01:56,320

42 hours after undock

55

00:02:00,310 --> 00:01:58,640

we left him alone so he can concentrate

56

00:02:01,990 --> 00:02:00,320

on the very critical task