



SPACE TO GROUND

1
00:00:04,789 --> 00:00:03,030
houston station on space to ground

2
00:00:06,389 --> 00:00:04,799
welcome to space to ground your weekly

3
00:00:08,070 --> 00:00:06,399
look at what's happening on board the

4
00:00:10,230 --> 00:00:08,080
international space station i'm dan

5
00:00:11,830 --> 00:00:10,240
hewitt some unfortunate news for the

6
00:00:14,629 --> 00:00:11,840
station this week with the loss of the

7
00:00:16,710 --> 00:00:14,639
latest spacex dragon cargo vehicle the

8
00:00:18,790 --> 00:00:16,720
company's seventh resupply flight lifted

9
00:00:21,990 --> 00:00:18,800
off from cape canaveral on sunday but

10
00:00:23,670 --> 00:00:22,000
experienced an anomaly 139 seconds into

11
00:00:26,070 --> 00:00:23,680
the flight that resulted in a loss of

12
00:00:28,150 --> 00:00:26,080
the mission the on-orbit crew has plenty

13
00:00:30,230 --> 00:00:28,160

of consumables enough to last until at

14

00:00:32,150 --> 00:00:30,240

least october to see how things were

15

00:00:33,990 --> 00:00:32,160

going we checked in with astronaut scott

16

00:00:35,510 --> 00:00:34,000

kelly aboard the station

17

00:00:38,709 --> 00:00:35,520

you know with our current uh

18

00:00:40,389 --> 00:00:38,719

transportation plan with progress and

19

00:00:42,389 --> 00:00:40,399

htv in august

20

00:00:43,430 --> 00:00:42,399

you know assuming those come on time we

21

00:00:44,869 --> 00:00:43,440

should be in

22

00:00:46,709 --> 00:00:44,879

great shape

23

00:00:48,950 --> 00:00:46,719

and that russian progress vehicle is

24

00:00:51,029 --> 00:00:48,960

already on its way to the station the

25

00:00:53,590 --> 00:00:51,039

cargo craft lifted off successfully from

26

00:00:55,990 --> 00:00:53,600

kazakhstan late thursday and is set to

27

00:00:58,470 --> 00:00:56,000

arrive on sunday july 5th delivering

28

00:01:01,270 --> 00:00:58,480

several tons of food fuel and supplies

29

00:01:03,110 --> 00:01:01,280

to the expedition 44 crew as always for

30

00:01:05,590 --> 00:01:03,120

the latest updates on this mission visit

31

00:01:07,670 --> 00:01:05,600

nasa.gov station

32

00:01:09,510 --> 00:01:07,680

a big milestone was reached this week as

33

00:01:12,550 --> 00:01:09,520

cosmonaut gennady padalka became

34

00:01:14,710 --> 00:01:12,560

humanity's most experienced space man

35

00:01:17,990 --> 00:01:14,720

on sunday he broke former cosmonaut

36

00:01:20,550 --> 00:01:18,000

sergey krikalov's record of 803 days in

37

00:01:22,550 --> 00:01:20,560

space padalka started his career on the

38

00:01:24,310 --> 00:01:22,560

russian mir space station and is

39

00:01:26,710 --> 00:01:24,320

currently on his fourth long duration

40

00:01:28,950 --> 00:01:26,720

stay on the international space station

41

00:01:30,469 --> 00:01:28,960

he's commanding his fourth crew and his

42

00:01:32,630 --> 00:01:30,479

experience will be able to teach

43

00:01:34,870 --> 00:01:32,640

scientists a lot about how humans fare

44

00:01:36,390 --> 00:01:34,880

in space for extremely long periods of

45

00:01:38,630 --> 00:01:36,400

time

46

00:01:40,870 --> 00:01:38,640

this week sunfire wants to know how the

47

00:01:43,030 --> 00:01:40,880

station avoids contamination during crew

48

00:01:44,870 --> 00:01:43,040

rotation well it's mostly due to the

49

00:01:46,789 --> 00:01:44,880

fact that the astronauts spend time in a

50

00:01:48,710 --> 00:01:46,799

highly controlled environment before

51

00:01:50,630 --> 00:01:48,720

they even get to space

52

00:01:52,310 --> 00:01:50,640

astronauts and cosmonauts headed for the

53

00:01:54,630 --> 00:01:52,320

station spend their last two weeks

54

00:01:56,469 --> 00:01:54,640

before launching quarantine special

55

00:01:58,149 --> 00:01:56,479

attention is paid to who gets to see

56

00:02:00,310 --> 00:01:58,159

them to make sure they don't come into

57

00:02:01,749 --> 00:02:00,320

contact with any sick individuals before

58

00:02:03,350 --> 00:02:01,759

liftoff

59

00:02:05,350 --> 00:02:03,360

make sure to keep sending your questions