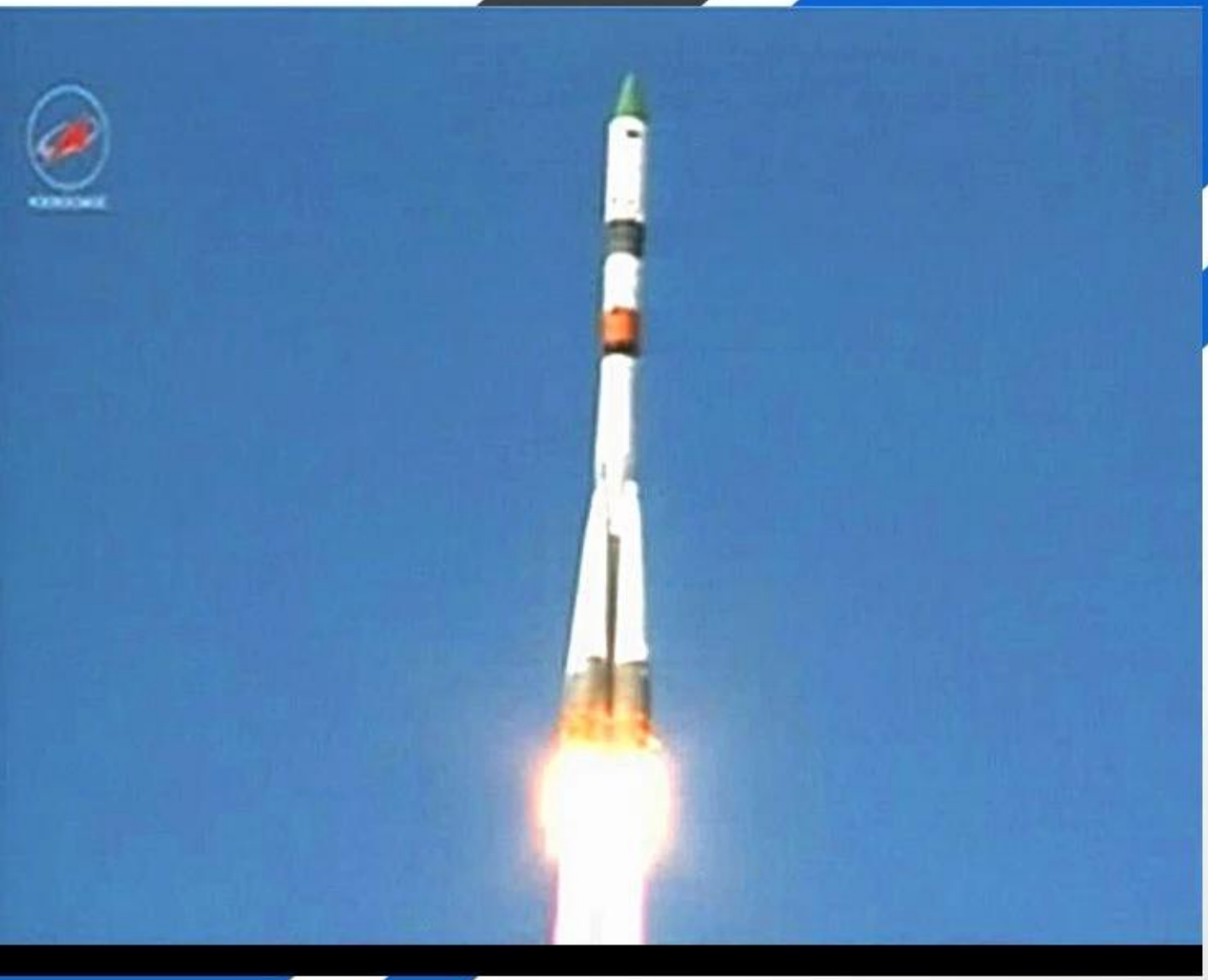

SPACE TO GROUND

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
00:00:08,150 --> 00:00:06,399
look at what's happening on board the

4
00:00:10,470 --> 00:00:08,160
international space station i'm dan

5
00:00:12,390 --> 00:00:10,480
hewitt a cargo delivery scheduled to

6
00:00:15,430 --> 00:00:12,400
arrive at the station this week has been

7
00:00:17,189 --> 00:00:15,440
canceled the russian progress 59 cargo

8
00:00:19,590 --> 00:00:17,199
craft lifted off successfully from

9
00:00:21,429 --> 00:00:19,600
kazakhstan on tuesday but the unmanned

10
00:00:23,910 --> 00:00:21,439
vehicle experienced control issues

11
00:00:25,830 --> 00:00:23,920
shortly after separation from the rocket

12
00:00:27,670 --> 00:00:25,840
russian flight controllers attempted to

13
00:00:29,189 --> 00:00:27,680

troubleshoot over the next day but

14
00:00:30,950 --> 00:00:29,199
ultimately informed the crew on

15
00:00:32,470 --> 00:00:30,960
wednesday that it would not be making it

16
00:00:34,310 --> 00:00:32,480
to the station

17
00:00:36,630 --> 00:00:34,320
the important thing is hardware can be

18
00:00:38,470 --> 00:00:36,640
replaced and we'll replace all that

19
00:00:40,389 --> 00:00:38,480
hardware and

20
00:00:41,830 --> 00:00:40,399
we'll continue to operate the space

21
00:00:43,830 --> 00:00:41,840
station

22
00:00:46,470 --> 00:00:43,840
phase two of an exciting technology

23
00:00:48,790 --> 00:00:46,480
demonstration is about to begin on board

24
00:00:50,630 --> 00:00:48,800
the next round of the robotic refueling

25
00:00:52,630 --> 00:00:50,640
mission is gearing up to demonstrate

26
00:00:54,950 --> 00:00:52,640
techniques that could prolong the life

27
00:00:56,790 --> 00:00:54,960
of satellites in earth orbit using the

28
00:00:59,110 --> 00:00:56,800
capabilities of the dexter robot

29
00:01:00,869 --> 00:00:59,120
attached to canadarm2 robotics

30
00:01:02,549 --> 00:01:00,879
controllers will use new tools and

31
00:01:05,109 --> 00:01:02,559
techniques that could eventually give

32
00:01:07,670 --> 00:01:05,119
satellite owners novel ways to diagnose

33
00:01:10,950 --> 00:01:07,680
problems on orbit and fix issues to keep

34
00:01:12,870 --> 00:01:10,960
spacecraft functioning longer in space

35
00:01:15,350 --> 00:01:12,880
this week daniela asked if i'm a

36
00:01:17,190 --> 00:01:15,360
scientist can i go to the space station

37
00:01:19,030 --> 00:01:17,200
well a lot of astronauts have a science

38
00:01:21,350 --> 00:01:19,040

background so being a scientist is a

39
00:01:23,030 --> 00:01:21,360
great way to join them just in case that

40
00:01:24,870 --> 00:01:23,040
doesn't work out though getting your

41
00:01:25,670 --> 00:01:24,880
research to the station is the next best

42
00:01:27,190 --> 00:01:25,680
thing

43
00:01:29,350 --> 00:01:27,200
there are a number of ways to get

44
00:01:31,670 --> 00:01:29,360
experiments flown in space whether it's

45
00:01:33,429 --> 00:01:31,680
through nasa the national lab managed by

46
00:01:35,590 --> 00:01:33,439
our friends at cases or one of our

47
00:01:37,429 --> 00:01:35,600
international partners it's never been

48
00:01:40,789 --> 00:01:37,439
easier to get your research on board

49
00:01:42,950 --> 00:01:40,799
station head over to nasa.gov iss

50
00:01:44,710 --> 00:01:42,960
science to learn more

51
00:01:46,389 --> 00:01:44,720
make sure to keep sending your questions