



# SPACE TO GROUND

1  
00:00:04,470 --> 00:00:02,710  
houston station on space to ground

2  
00:00:06,309 --> 00:00:04,480  
welcome to space to ground your weekly

3  
00:00:08,470 --> 00:00:06,319  
look at what's happening onboard the iss

4  
00:00:09,990 --> 00:00:08,480  
i'm nicole cloutier lamasters

5  
00:00:11,589 --> 00:00:10,000  
three members of the iss crew are

6  
00:00:13,589 --> 00:00:11,599  
preparing for the end of their mission

7  
00:00:15,829 --> 00:00:13,599  
rick mastracchio koichi wakata and

8  
00:00:17,109 --> 00:00:15,839  
mikhail teren return to earth tuesday

9  
00:00:18,950 --> 00:00:17,119  
they've been preparing this week by

10  
00:00:20,550 --> 00:00:18,960  
performing decent drills and checkouts

11  
00:00:22,310 --> 00:00:20,560  
of their soyuz spacecraft and entry

12  
00:00:24,230 --> 00:00:22,320  
suits you can watch the landing this

13  
00:00:26,470 --> 00:00:24,240

tuesday night live on nasa tv or

14

00:00:27,910 --> 00:00:26,480

streaming on the internet meanwhile on

15

00:00:30,230 --> 00:00:27,920

the ground the next crew is preparing

16

00:00:32,470 --> 00:00:30,240

for their launch to space astronaut reed

17

00:00:34,069 --> 00:00:32,480

wiseman maxim sarayev and alexander

18

00:00:35,910 --> 00:00:34,079

gerst have been busy with final mission

19

00:00:38,069 --> 00:00:35,920

preparations and this week completed

20

00:00:40,069 --> 00:00:38,079

their final qualification exams the

21

00:00:42,630 --> 00:00:40,079

three launched may 28th to join steve

22

00:00:45,110 --> 00:00:42,640

swanson alexander scorched and oleg

23

00:00:46,630 --> 00:00:45,120

artamaya for their long duration stay

24

00:00:48,869 --> 00:00:46,640

as part of the crew's science work this

25

00:00:50,470 --> 00:00:48,879

week they set up a new garden in space

26  
00:00:51,990 --> 00:00:50,480  
veggie is a plant growth chamber that

27  
00:00:53,350 --> 00:00:52,000  
will be used on station to study the

28  
00:00:55,670 --> 00:00:53,360  
growth and development of lettuce

29  
00:00:57,350 --> 00:00:55,680  
seedlings in space the hope is veggie

30  
00:00:58,389 --> 00:00:57,360  
will be a resource for crew food growth

31  
00:01:00,229 --> 00:00:58,399  
and consumption

32  
00:01:02,229 --> 00:01:00,239  
the system may also help improve crop

33  
00:01:04,229 --> 00:01:02,239  
production on earth and lettuce won't be

34  
00:01:06,230 --> 00:01:04,239  
the only thing growing in space nearly

35  
00:01:07,590 --> 00:01:06,240  
800 lentil seeds will also be studied

36  
00:01:09,830 --> 00:01:07,600  
closely to see how they react to

37  
00:01:11,510 --> 00:01:09,840  
simulated gravity in space the seeds

38  
00:01:13,350 --> 00:01:11,520

were flown up as part of the gravi 2

39

00:01:16,070 --> 00:01:13,360

experiment that rick mastracchio set up

40

00:01:17,670 --> 00:01:16,080

this week using varied centrifuge speeds

41

00:01:19,670 --> 00:01:17,680

researchers will assess how well the

42

00:01:20,950 --> 00:01:19,680

seedlings grow this will not only help

43

00:01:22,950 --> 00:01:20,960

with developing the lentils as a

44

00:01:24,550 --> 00:01:22,960

potential food source but also improve

45

00:01:26,469 --> 00:01:24,560

our knowledge of this important crop on

46

00:01:28,149 --> 00:01:26,479

earth we love getting your questions and

47

00:01:29,910 --> 00:01:28,159

comments we also love to see your

48

00:01:32,550 --> 00:01:29,920

pictures of the iss flying over your

49

00:01:34,789 --> 00:01:32,560

hometown you can share them using

50

00:01:36,870 --> 00:01:34,799

spot the station this picture came to us

51  
00:01:38,469 --> 00:01:36,880  
from ian smith in connecticut to find

52  
00:01:41,510 --> 00:01:38,479  
out how you can spot the station in the

53  
00:01:43,749 --> 00:01:41,520  
night sky go to [spottastation.nasa.gov](http://spottastation.nasa.gov)

54  
00:01:45,270 --> 00:01:43,759  
or try our spot the station app make

55  
00:01:46,069 --> 00:01:45,280  
sure to keep sending us your questions