



SPACE TO GROUND

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

2
00:00:06,309 --> 00:00:04,799
welcome to space to ground your weekly

3
00:00:07,990 --> 00:00:06,319
look at what's happening on board the

4
00:00:10,230 --> 00:00:08,000
international space station i'm dan

5
00:00:12,230 --> 00:00:10,240
hewitt two crew members are halfway

6
00:00:14,150 --> 00:00:12,240
through their year in space

7
00:00:16,950 --> 00:00:14,160
scott kelly and mikhail kornigenko

8
00:00:19,429 --> 00:00:16,960
clocked in their 175 day in space on

9
00:00:21,269 --> 00:00:19,439
september 15th and as they enter the

10
00:00:22,950 --> 00:00:21,279
second half of their mission there are a

11
00:00:26,070 --> 00:00:22,960
number of important milestones on the

12
00:00:29,269 --> 00:00:26,080
horizon on october 16th kelly will pass

13
00:00:31,429 --> 00:00:29,279

nasa astronaut mike fink's mark of 382

14

00:00:33,830 --> 00:00:31,439

total days in space becoming the new

15

00:00:36,150 --> 00:00:33,840

american record holder then just under

16

00:00:38,830 --> 00:00:36,160

two weeks later kelly and kornienko will

17

00:00:42,229 --> 00:00:38,840

break the expedition 14 cruise record of

18

00:00:43,830 --> 00:00:42,239

215 straight days aboard the iss

19

00:00:45,830 --> 00:00:43,840

and they'll be raising the bar quite a

20

00:00:49,190 --> 00:00:45,840

bit by the time they come home on march

21

00:00:51,270 --> 00:00:49,200

3rd next year spending 342 consecutive

22

00:00:53,189 --> 00:00:51,280

days on the station

23

00:00:54,869 --> 00:00:53,199

of course it's all about the science and

24

00:00:57,430 --> 00:00:54,879

for the next six months the one year

25

00:00:59,270 --> 00:00:57,440

mission is heading into the unknown

26

00:01:01,270 --> 00:00:59,280

kelly and kononenko are serving as

27

00:01:03,590 --> 00:01:01,280

subjects and scientific experiments

28

00:01:06,070 --> 00:01:03,600

focusing on seven key areas of human

29

00:01:07,910 --> 00:01:06,080

research one of the most complex studies

30

00:01:09,750 --> 00:01:07,920

that's been taking place is called fluid

31

00:01:11,590 --> 00:01:09,760

shifts and it's looking to solve the

32

00:01:14,230 --> 00:01:11,600

troublesome issue of changes in

33

00:01:15,670 --> 00:01:14,240

astronaut vision while in microgravity

34

00:01:17,670 --> 00:01:15,680

all of the human research for the

35

00:01:20,710 --> 00:01:17,680

one-year mission is designed to prepare

36

00:01:22,789 --> 00:01:20,720

us for exploration way beyond our planet

37

00:01:24,230 --> 00:01:22,799

coupled with scott kelly's twin study

38

00:01:25,510 --> 00:01:24,240

the next six months are going to be

39

00:01:27,590 --> 00:01:25,520

packed with research for this

40

00:01:29,590 --> 00:01:27,600

record-setting duo

41

00:01:31,510 --> 00:01:29,600

if you aren't already be sure to follow

42

00:01:34,149 --> 00:01:31,520

scott kelly to watch the second half of

43

00:01:36,390 --> 00:01:34,159

his mission unfold you can follow at

44

00:01:38,230 --> 00:01:36,400

station commander kelly on twitter and

45

00:01:40,310 --> 00:01:38,240

instagram where he's been sharing

46

00:01:41,670 --> 00:01:40,320

hundreds of pictures and videos from his

47

00:01:43,590 --> 00:01:41,680

time in space

48

00:01:45,590 --> 00:01:43,600

and we partnered with the white house so

49

00:01:47,590 --> 00:01:45,600

you can send kelly and kononenko your

50

00:01:50,069 --> 00:01:47,600

best wishes as they continue this

51

00:01:53,030 --> 00:01:50,079

historic mission you can also head over

52

00:01:55,749 --> 00:01:53,040

to nasa.gov one year for all the latest

53

00:01:58,069 --> 00:01:55,759

news keep sending us your questions and