



# SPACE TO GROUND

1  
00:00:00,626 --> 00:00:04,366  
WELCOME TO SPACE TO GROUND...

2  
00:00:04,416 --> 00:00:06,486  
YOUR WEEKLY LOOK AT WHAT'S  
HAPPENING ONBOARD THE

3  
00:00:06,486 --> 00:00:07,956  
INTERNATIONAL SPACE STATION...

4  
00:00:08,146 --> 00:00:09,006  
I'M CRAWFORD JONES....

5  
00:00:09,536 --> 00:00:13,166  
EXPEDITION 44 SAW ITS FIRST  
FULL WEEK WITH A SIX-MAN CREW,

6  
00:00:13,216 --> 00:00:16,866  
AND IT WAS A BUSY ONE, WITH A  
BIG FOCUS ON SPACEWALK PREPS.

7  
00:00:17,316 --> 00:00:19,836  
CREWMEMBERS WORKED ON U-S  
SPACESUIT MAINTENANCE,

8  
00:00:19,836 --> 00:00:22,856  
INCLUDING THE REPLACEMENT  
A FAN PUMP SEPARATOR IN ONE

9  
00:00:22,856 --> 00:00:24,686  
OF THE SUITS TO GET  
IT SPACE READY.

10  
00:00:24,686 --> 00:00:27,016  
MEANWHILE, COSMONAUTS  
GENNADY PADALKA

11  
00:00:27,016 --> 00:00:29,046  
AND MIKHAIL KORNIENKO PREPARED

12  
00:00:29,046 --> 00:00:32,806  
FOR THEIR PLANNED AUGUST TENTH  
SPACEWALK...THE DUO WILL REPLACE

13  
00:00:32,846 --> 00:00:36,216  
EXTERNAL EXPERIMENTS AND INSPECT  
THE STATION'S RUSSIAN SEGMENT

14  
00:00:36,216 --> 00:00:38,836  
EXTERIOR...THEY'LL EVEN DO  
A LITTLE WINDOW WASHING.

15  
00:00:39,406 --> 00:00:40,956  
ASTRONAUT KJELL LINDGREN GOT

16  
00:00:40,986 --> 00:00:44,136  
TO DO A SOME GARDENING DURING  
HIS FIRST WEEK ONBOARD STATION.

17  
00:00:44,466 --> 00:00:47,016  
HE WORKED WITH THE VEGGIE  
EXPERIMENT, WHICH USES A CHAMBER

18  
00:00:47,016 --> 00:00:49,476  
TO GROW VEGETABLES -  
CURRENTLY A LETTUCE CROP

19  
00:00:49,476 --> 00:00:51,456  
THAT WILL BE BROUGHT DOWN  
TO THE GROUND FOR TESTING.

20  
00:00:51,806 --> 00:00:54,146  
THE HOPE IS FOR LONG  
DURATION SPACE TRAVELERS

21  
00:00:54,146 --> 00:00:55,216  
TO GROW THEIR OWN FOOD.

22

00:00:55,506 --> 00:00:58,106  
AND LATER THIS YEAR, THE  
ASTRONAUTS WILL ACTUALLY GET

23  
00:00:58,136 --> 00:01:00,816  
TO SAMPLE THESE SPACE  
CROPS FOR THE FIRST TIME.

24  
00:01:00,976 --> 00:01:04,096  
THIS WEEK MITCH WANTS TO KNOW IF  
FUTURE SPACESHIPS ON THEIR WAY

25  
00:01:04,096 --> 00:01:06,306  
TO PLACES LIKE MARS  
WILL STOPOVER

26  
00:01:06,306 --> 00:01:07,706  
AT THE SPACE STATION FIRST...

27  
00:01:08,026 --> 00:01:11,576  
WELL, THE STATION IS BEING  
USED AS A STOPOVER...JUST NOT

28  
00:01:11,576 --> 00:01:12,636  
IN THE WAY YOU MIGHT THINK.

29  
00:01:12,826 --> 00:01:16,516  
THERE ARE NO PLANS TO USE THE  
I-S-S AS A LITERAL LAUNCH POINT

30  
00:01:16,516 --> 00:01:19,906  
TO DEEP SPACE, BUT WE ARE USING  
IT TO LEARN ABOUT WHAT WE NEED

31  
00:01:19,906 --> 00:01:22,396  
TO TAKE US THERE...EXPERIMENTS  
LIKE VEGGIE

32  
00:01:22,396 --> 00:01:24,226  
AND THE ONGOING HABITABILITY

STUDY,

33

00:01:24,506 --> 00:01:27,556

WHICH LOOKS AT HOW A SPACE  
VEHICLE'S LAYOUT CAN AFFECT

34

00:01:27,556 --> 00:01:30,416

THINGS LIKE TEAM DYNAMICS  
AND HEALTH, ARE JUST A COUPLE

35

00:01:30,416 --> 00:01:33,476

OF EXAMPLES OF THE STATION'S  
ROLE IN OUR JOURNEY TO MARS.

36

00:01:33,896 --> 00:01:35,146

KEEP SENDING US YOUR QUESTIONS