



**Space**to**Ground**

1  
00:00:02,696 --> 00:00:04,656  
"HOUSTON, STATION  
ON SPACE TO GROUND."

2  
00:00:05,326 --> 00:00:07,406  
WELCOME TO SPACE TO  
GROUND, I AM GARY JORDAN.

3  
00:00:07,716 --> 00:00:09,196  
THIS WEEK, CARGO MAKES IT WAY

4  
00:00:09,196 --> 00:00:11,706  
TO THE INTERNATIONAL SPACE  
STATION IN THE FAST LANE.

5  
00:00:13,806 --> 00:00:17,286  
THE RUSSIAN PROGRESS 72 LIFTED  
OFF FROM THE BAIKONUR COSMODROME

6  
00:00:17,286 --> 00:00:21,616  
ON THURSDAY LOADED WITH THREE  
TONS OF FOOD, FUEL AND SUPPLIES.

7  
00:00:22,256 --> 00:00:23,966  
IT ONLY TOOK TWO  
ORBITS AROUND THE EARTH

8  
00:00:24,076 --> 00:00:26,866  
TO COMPLETE ITS ULTRA-FAST  
JOURNEY TO THE ORBITING COMPLEX,

9  
00:00:27,176 --> 00:00:29,386  
DOCKING JUST OVER THREE  
HOURS AFTER LIFTOFF.

10  
00:00:30,056 --> 00:00:31,836  
PROGRESS IS SCHEDULED  
TO REMAIN ATTACHED

11

00:00:31,840 --> 00:00:33,696  
TO THE SPACE STATION  
UNTIL LATE JULY.

12  
00:00:34,660 --> 00:00:36,780  
ONE FINAL SPACEWALK  
COMING UP IN THIS SET,

13  
00:00:36,780 --> 00:00:39,900  
THIS TIME FOR AN EXTRA PATH  
OF POWER TO THE CANADARM2.

14  
00:00:41,540 --> 00:00:42,840  
ANNE MCCLAIN, NICK HAGUE,

15  
00:00:43,056 --> 00:00:45,996  
AND CHRISTINA KOCH HAVE  
ALREADY COMPLETED TWO SPACEWALKS

16  
00:00:46,226 --> 00:00:47,786  
TO UPGRADE BATTERIES ON TWO

17  
00:00:47,786 --> 00:00:50,006  
OF THE EIGHT POWER CHANNELS  
ON THE SPACE STATION.

18  
00:00:50,766 --> 00:00:53,166  
THE LAST IN THIS SERIES OF  
THREE IS SET FOR MONDAY,

19  
00:00:53,476 --> 00:00:55,666  
WHERE ANNE MCCLAIN WILL HEAD  
OUT THE HATCH ONCE AGAIN,

20  
00:00:55,996 --> 00:00:58,446  
THIS TIME WITH CANADIAN  
ASTRONAUT DAVID SAINT-JACQUE,

21  
00:00:58,736 --> 00:01:00,116  
TO LAY OUT SOME JUMPER CABLES

22

00:01:00,206 --> 00:01:02,356  
THAT WILL ESTABLISH A  
REDUNDANT PATH OF POWER

23

00:01:02,356 --> 00:01:04,866  
TO THE CANADIAN-BUILT ROBOTIC  
ARM OF THE SPACE STATION,

24

00:01:05,116 --> 00:01:07,846  
AND IMPROVE COMMUNICATION AND  
COMPUTER NETWORK CAPABILITY.

25

00:01:08,516 --> 00:01:11,466  
WE'LL COVER THE WHOLE THING LIVE  
ON NASA TV AND FACEBOOK LIVE.

26

00:01:11,826 --> 00:01:12,946  
JOIN US ON APRIL 8TH.

27

00:01:13,856 --> 00:01:15,446  
THIS WEEK'S QUESTION  
COMES FROM JENNIFER

28

00:01:15,526 --> 00:01:18,236  
WHO ASKS WHY ASTRONAUTS WEAR  
GLOVES DURING SPACEWALKS.

29

00:01:18,676 --> 00:01:20,416  
THEY'RE AN ESSENTIAL  
PART OF THE SPACESUIT.

30

00:01:20,566 --> 00:01:21,956  
MAYBE MORE THAN YOU MIGHT THINK.

31

00:01:22,876 --> 00:01:24,246  
WE MIGHT CALL IT A SPACEWALK,

32

00:01:24,286 --> 00:01:26,346

BUT THERE IS PRETTY MUCH  
NO "WALKING" INVOLVED.

33

00:01:26,856 --> 00:01:29,536  
ALL OF THE MOVEMENT ACROSS THE  
OUTSIDE OF THE SPACE STATION,

34

00:01:29,696 --> 00:01:32,716  
ALL OF THE TOOL HANDLING,  
REALLY THE MOST IMPORTANT TASKS

35

00:01:32,716 --> 00:01:35,686  
IN A MICROGRAVITY SPACEWALK ARE  
CONDUCTED WITH THESE GLOVES.

36

00:01:36,286 --> 00:01:39,256  
THE GLOVES ARE FITTED SPECIALLY  
FOR EACH ASTRONAUT AND FLOWN

37

00:01:39,256 --> 00:01:40,846  
UP WITH THEM ON THE  
SOYUZ VEHICLE.

38

00:01:41,346 --> 00:01:44,696  
THE SPACESUITS ARE  
PRESSURIZED TO A LOW 4.3 PSI

39

00:01:45,016 --> 00:01:47,266  
TO MAKE SQUEEZING THEIR HANDS  
IN THE GLOVES A BIT EASIER,

40

00:01:47,820 --> 00:01:49,180  
EVEN THOUGH IT'S  
STILL PRETTY TOUGH.

41

00:01:49,760 --> 00:01:52,300  
"YOUR NEXT STEPS FOR NOW IS  
TO GIVE ME A GLOVE CHECK."

42

00:01:52,920 --> 00:01:54,080

"COPY!"

43

00:01:54,640 --> 00:01:56,340

LISTEN IN TO

THE SPACEWALK ON MONDAY

44

00:01:56,406 --> 00:01:58,516

AND YOU MIGHT HEAR GLOVE

CHECKS THROUGHOUT THE PLANNED

45

00:01:58,606 --> 00:01:59,656

SIX-AND-A-HALF-HOUR RUN.

46

00:02:00,116 --> 00:02:01,706

THESE ARE TO VALIDATE

THE INTEGRITY

47

00:02:01,706 --> 00:02:03,560

OF THIS CRITICAL

SPACESUIT COMPONENT.