



Spaceto**Ground**

1
00:00:02,206 --> 00:00:04,156
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:04,406 --> 00:00:07,096
WELCOME TO SPACE TO
GROUND, I'M DAN HUOT.

3
00:00:07,096 --> 00:00:08,906
A RUSSIAN CARGO VEHICLE
JUST WENT

4
00:00:08,906 --> 00:00:11,786
ON A FASTTRACK RIDE
TO THE STATION.

5
00:00:12,866 --> 00:00:15,016
THE RUSSIAN PROGRESS
70 LIFTED OFF

6
00:00:15,016 --> 00:00:17,036
FROM THE BAIKONUR
COSMODROME THIS WEEK,

7
00:00:17,426 --> 00:00:20,126
FLYING ATOP A SOYUZ
2.1A BOOSTER.

8
00:00:20,746 --> 00:00:22,936
AFTER JUST UNDER 9
MINUTES OF FLIGHT,

9
00:00:22,936 --> 00:00:26,076
THE UNCREWED CARGO CRAFT
WAS IN ORBIT AND READY

10
00:00:26,076 --> 00:00:27,696
TO CHASE DOWN THE STATION.

11

00:00:27,696 --> 00:00:30,116

IT ARRIVED JUST ABOUT
4 HOURS LATER,

12

00:00:30,116 --> 00:00:31,806

AFTER CIRCLING THE GLOBE TWICE,

13

00:00:32,066 --> 00:00:34,236

WHICH IS ABOUT TWICE
AS FAST AS USUAL.

14

00:00:34,666 --> 00:00:37,446

THIS SUCCESSFUL DEMONSTRATION
COULD BECOME THE NORM

15

00:00:37,546 --> 00:00:40,506

FOR FUTURE CARGO AND CREW
LAUNCHES ON RUSSIAN VEHICLES.

16

00:00:41,326 --> 00:00:43,106

MEANWHILE, SOME EXCITING
NEW RESEARCH

17

00:00:43,106 --> 00:00:46,226

TO HELP COMBAT CANCER TOOK
PLACE INSIDE THE STATION.

18

00:00:46,886 --> 00:00:50,906

THE ANGIEX CANCER THERAPY
STUDY IS USING MICROGRAVITY

19

00:00:50,996 --> 00:00:53,576

TO STUDY A TREATMENT
THAT TARGETS TUMOR CELLS

20

00:00:53,936 --> 00:00:55,916

AND THE BLOOD VESSELS
THAT CAN SUPPLY THEM.

21

00:00:56,436 --> 00:00:59,246

NASA'S SERENA AUNON-CHANCELLOR,
A PHYSICIAN

22

00:00:59,246 --> 00:01:02,056
AND FORMER FLIGHT SURGEON,
OPERATED A MICROSCOPE

23

00:01:02,196 --> 00:01:04,916
AND PROCESSED SAMPLES FOR
THE STUDY WHICH IS HOPING

24

00:01:04,916 --> 00:01:07,876
TO EVENTUALLY LEAD TO THE
DEVELOPMENT OF SAFER DRUGS

25

00:01:08,006 --> 00:01:12,076
THAT TARGET THE VASCULATURE, OR
BLOOD SUPPLY, OF CANCER TUMORS.

26

00:01:12,316 --> 00:01:15,566
THIS WEEK'S QUESTION COMES
FROM DANIELLA WHO WANTED

27

00:01:15,566 --> 00:01:17,806
TO KNOW HOW MANY ROOMS
ARE THERE ON THE STATION?

28

00:01:18,406 --> 00:01:21,046
WELL EACH MODULE IS
ESSENTIALLY ITS OWN ROOM

29

00:01:21,296 --> 00:01:24,216
SO THERE ARE 10 BIG
ONES AND 5 SMALLER ONES.

30

00:01:24,746 --> 00:01:30,886
THE BIG ONES ARE KIBO, HARMONY,
COLUMBUS, DESTINY, UNITY,

31

00:01:31,496 --> 00:01:36,436

TRANQUILITY, QUEST, THE
PMM, ZARYA AND ZVEZDA.

32

00:01:36,676 --> 00:01:43,536

THE LITTLE ONES ARE THE CUPOLA,
BEAM, PIRS, RASSVET AND POISK.

33

00:01:44,866 --> 00:01:48,166

KEEP SENDING IN YOUR QUESTIONS
USING THE HASHTAG SPACETOGROUND,

34

00:01:48,786 --> 00:01:51,446

AND BE SURE TO CHECK OUT
THE NEWEST STEMONSTRATION

35

00:01:51,516 --> 00:01:54,266

ON OUR YOUTUBE CHANNEL WHERE
RICKY ARNOLD TEACHES US

36

00:01:54,316 --> 00:01:55,436

ABOUT SURFACE TENSION.

37

00:01:55,880 --> 00:01:57,100

WE'LL SEE YOU NEXT
WEEK