



# SPACE TO GROUND

1  
00:00:00,606 --> 00:00:02,536  
"HOUSTON, STATION  
ON SPACE TO GROUND."

2  
00:00:02,806 --> 00:00:05,046  
WELCOME TO SPACE TO  
GROUND, I'M ISIDRO REYNA.

3  
00:00:05,346 --> 00:00:08,536  
THIS WEEK, EXPEDITION 53 CREW  
MEMBERS RETURNED TO EARTH,

4  
00:00:08,826 --> 00:00:10,826  
WHILE THE SPACE X  
DRAGON HEADS TO ORBIT.

5  
00:00:11,536 --> 00:00:14,026  
EXPEDITION 53 COMMANDER  
RANDY BRESNIK

6  
00:00:14,176 --> 00:00:15,866  
WITH FLIGHT ENGINEERS  
PAOLO NESPOLI

7  
00:00:15,866 --> 00:00:17,846  
AND SERGEY RYAZANSKIY  
LANDED BACK

8  
00:00:17,846 --> 00:00:20,060  
ON EARTH IN KAZAKHSTAN ON DEC.14 .

9  
00:00:20,060 --> 00:00:23,300  
AFTER A THREE-AND-A-HALF HOUR  
RIDE ABOARD A SOYUZ SPACECRAFT.

10  
00:00:23,560 --> 00:00:26,440  
THEIR RETURN CONCLUDES  
139 DAYS IN SPACE.

11

00:00:27,146 --> 00:00:31,646  
UP NEXT, EXPEDITION 54-55 CREW  
MEMBERS WILL BLAST OFF DEC.17

12  
00:00:31,646 --> 00:00:35,046  
ABOARD THE SOYUZ SPACECRAFT  
AND TAKE A TWO-DAY TRIP

13  
00:00:35,106 --> 00:00:36,276  
TO ITS NEW HOME IN SPACE.

14  
00:00:36,876 --> 00:00:39,946  
ANTON SHKAPLEROV, A VETERAN  
COSMONAUT FROM ROSCOSMOS,

15  
00:00:39,946 --> 00:00:42,126  
WILL LEAD THE FLIGHT  
TO THE STATION FLANKED

16  
00:00:42,126 --> 00:00:44,546  
BY FIRST-TIME ASTRONAUTS  
SCOTT TINGLE OF NASA

17  
00:00:44,756 --> 00:00:48,346  
AND NORISHIGE KANAI OF THE JAPAN  
AEROSPACE EXPLORATION AGENCY.

18  
00:00:49,236 --> 00:00:51,796  
THE NEXT SPACE X DRAGON  
CARGO CRAFT HAS LAUNCHED

19  
00:00:51,796 --> 00:00:53,286  
TO THE INTERNATIONAL  
SPACE STATION.

20  
00:00:54,146 --> 00:00:57,676  
THE FALCON 9 ROCKET LAUNCHED ON  
FRIDAY MORNING, SENDING DRAGON

21  
00:00:57,676 --> 00:00:59,236

ON A TWO-DAY TRIP  
TO THE STATION.

22

00:00:59,516 --> 00:01:01,756

DRAGON WILL DELIVER  
ABOUT 4,800 POUNDS

23

00:01:01,756 --> 00:01:03,756

OF CREW SUPPLIES  
AND SCIENCE GEAR.

24

00:01:04,076 --> 00:01:07,066

ASTRONAUTS MARK VANDE HEI  
AND JOE ACABA WILL CAPTURE

25

00:01:07,066 --> 00:01:09,296

AND INSTALL DRAGON TO THE  
STATIONS HARMONY MODULE,

26

00:01:09,296 --> 00:01:11,376

WHERE IT WILL STAY UNTIL JAN.6.

27

00:01:11,496 --> 00:01:14,526

THIS WEEK, STUDENTS  
FROM NINE SCHOOL DISTRICTS

28

00:01:14,526 --> 00:01:17,426

IN PORT ORCHARD, WASHINGTON,  
HAD AN OPPORTUNITY TO SPEAK

29

00:01:17,426 --> 00:01:19,686

WITH MARK VANDE HEI,  
WHO IS CURRENTLY WORKING

30

00:01:19,866 --> 00:01:22,406

AND DOING RESEARCH ABOARD THE  
INTERNATIONAL SPACE STATION.

31

00:01:22,996 --> 00:01:26,386

"How did your body,

mentally and physically,

32

00:01:26,496 --> 00:01:29,756

first react when you flew  
and arrived into space?"

33

00:01:30,486 --> 00:01:32,926

"It felt kind of like being at  
the top of a roller coaster,

34

00:01:32,926 --> 00:01:34,556

a fast moving roller  
coaster to get to the top

35

00:01:34,556 --> 00:01:36,786

and it starts going back  
down where you can arise

36

00:01:36,786 --> 00:01:39,246

out of your seat, except  
what I've experienced

37

00:01:39,246 --> 00:01:40,976

that on the ground  
on a roller coaster,

38

00:01:41,366 --> 00:01:43,246

that was a very momentary  
feeling.

39

00:01:43,926 --> 00:01:47,236

And psychologically,  
I was very excited.

40

00:01:47,666 --> 00:01:50,566

I was amazed at how big  
the space station was.

41

00:01:50,876 --> 00:01:55,246

It was, also a little stressful

as you can imagine because I had

42

00:01:55,246 --> 00:01:57,806

to get to work and  
there's a lot of visibility

43

00:01:57,806 --> 00:01:58,686

in the work we do up here."

44

00:01:59,256 --> 00:02:00,996

KEEP SENDING US YOUR  
QUESTIONS USING THE