



SPACE TO GROUND

1
00:00:00,606 --> 00:00:02,946
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:02,946 --> 00:00:05,086
WELCOME TO SPACE TO
GROUND, I'M DAN HUOT.

3
00:00:05,456 --> 00:00:09,096
ORBITAL ATK'S CYGNUS LEFT THE
STATION THIS WEEK CARRYING A

4
00:00:09,096 --> 00:00:09,856
RECORD AMOUNT.

5
00:00:10,456 --> 00:00:12,976
THE S.S. GENE CERNAN
WAS RELEASED

6
00:00:12,976 --> 00:00:15,066
BY NASA ASTRONAUTS
WEDNESDAY MORNING

7
00:00:15,066 --> 00:00:17,096
FROM THE CANADARM2 ROBOTIC ARM.

8
00:00:17,386 --> 00:00:21,006
THE VEHICLE WAS PACKED WITH
MORE THAN 6,200 POUNDS OF TRASH

9
00:00:21,136 --> 00:00:22,816
AND OTHER ITEMS FOR DISPOSAL,

10
00:00:23,126 --> 00:00:25,706
MAKING IT THE HEAVIEST
CYGNUS EVER RELEASED.

11
00:00:25,846 --> 00:00:28,066
THE MISSION WASN'T

QUITE OVER YET THOUGH,

12

00:00:28,066 --> 00:00:30,556

WITH CYGNUS RELEASING
14 CUBESATS

13

00:00:30,556 --> 00:00:33,436

INTO EARTH ORBIT JUST A
FEW HOURS AFTER DEPARTURE.

14

00:00:33,836 --> 00:00:36,956

THE SPACECRAFT IS SCHEDULED
TO FIRE ITS ENGINES AND PLUNGE

15

00:00:36,956 --> 00:00:38,056

INTO EARTH'S ATMOSPHERE

16

00:00:38,106 --> 00:00:41,066

FOR A DESTRUCTIVE
REENTRY ON DECEMBER 18.

17

00:00:42,096 --> 00:00:45,226

AND THIS WEEK, STATION
ASTRONAUTS GOT A HARROWING VIEW

18

00:00:45,226 --> 00:00:48,936

OF FIRES BURNING 250
MILES BENEATH THEM.

19

00:00:48,936 --> 00:00:52,816

EXPEDITION 53 ASTRONAUTS ABOARD
THE STATION TOOK THESE PHOTOS

20

00:00:52,816 --> 00:00:55,816

OF THE CALIFORNIA WILDFIRES
BURNING JUST OUTSIDE

21

00:00:55,816 --> 00:00:56,676

OF LOS ANGELES.

22

00:00:57,026 --> 00:00:59,566

THE STATION OFFERS AN
UNIQUE VANTAGE POINT

23

00:00:59,566 --> 00:01:03,056

OVER DISASTERS LIFE FIRES AND
HURRICANES FOR THE ASTRONAUTS

24

00:01:03,106 --> 00:01:05,006

TO TAKE PHOTOS WHICH
ARE THEN SHARED

25

00:01:05,006 --> 00:01:06,976

WITH RESPONDERS BACK
DOWN HERE ON EARTH.

26

00:01:07,086 --> 00:01:09,676

THIS WEEK'S QUESTION
COMES FROM KAYLEE

27

00:01:09,676 --> 00:01:11,606

IN JIM TELLSTROM'S
4TH GRADE CLASS.

28

00:01:11,896 --> 00:01:14,276

SHE WANTED TO KNOW IF YOU
CAN SEE STORMS FROM SPACE.

29

00:01:14,826 --> 00:01:16,876

GREAT QUESTION, AND LIKE
WE WERE JUST TALKING ABOUT,

30

00:01:16,956 --> 00:01:17,716

YOU SURE CAN.

31

00:01:18,096 --> 00:01:18,546

WHY DON'T WE SEE

32

00:01:18,546 --> 00:01:20,496

IF OUR ASTRONAUTS SAW
ANYTHING RECENTLY...

33

00:01:20,766 --> 00:01:22,946
AND IT LOOKS LIKE THEY DID.

34

00:01:23,226 --> 00:01:26,496
RANDY BRESNIK RECENTLY SHARED
THIS VIEW WHILE THE STATION FLEW

35

00:01:26,496 --> 00:01:28,706
ACROSS CHINA, KOREA AND JAPAN.

36

00:01:29,136 --> 00:01:31,296
AS YOU CAN SEE, FLASHES
OF LIGHTNING LIGHT

37

00:01:31,296 --> 00:01:33,816
UP THE EARTH BELOW WHILE
THE STATION FLIES OVERHEAD

38

00:01:33,816 --> 00:01:36,606
AT 17,500 MPH.

39

00:01:37,236 --> 00:01:39,796
RANDY IS JUST ONE OF
SEVERAL ASTRONAUTS ONBOARD

40

00:01:39,796 --> 00:01:41,656
WHO YOU CAN FOLLOW
ON SOCIAL MEDIA

41

00:01:41,916 --> 00:01:43,396
FOR A DAILY TASTE OF SPACE.

42

00:01:44,346 --> 00:01:46,226
KEEP SENDING US YOUR
QUESTIONS USING THE

43

00:01:46,226 --> 00:01:47,736
HASHTAG SPACE-TO-GROUND.

44

00:01:48,056 --> 00:01:49,756
AND HEAD OVER TO
OUR YOUTUBE CHANNEL

45

00:01:49,796 --> 00:01:54,106
TO SEE THE FIRST STEMONSTRATION
AS PART OF THE YEAR OF EDUCATION

46

00:01:54,106 --> 00:01:56,526
ON STATION, ASTRONAUTS
WILL BE TEACHING A BIT

47

00:01:56,526 --> 00:01:59,386
OF SCIENCE CLASS
FROM 250 MILES ABOVE.

48

00:01:59,776 --> 00:02:02,076
CHECK OUT THE FIRST
VIDEO NOW AND STAY TUNED