Space to Ground

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

2
00:00:05,216 --> 00:00:07,576
WELCOME TO SPACE TO
GROUND, I'M LEAH CHESHIER.

3
00:00:07,856 --> 00:00:10,986
AS EARTHLINGS BEGIN TO PREPARE
FOR HOLIDAY TRAVEL AND TRAFFIC,

4
00:00:11,080 --> 00:00:14,440
THE CREW ON ORBIT IS EXPECTING
INCREASED TRAFFIC IN SPACE, TOO!

5
00:00:15,520 --> 00:00:18,440
THE S.S JOHN YOUNG, NORTHROP
GRUMMAN'S LATEST CYGNUS

6
00:00:18,506 --> 00:00:20,236
COMMERCIAL RESUPPLY SPACECRAFT,

7
00:00:20,236 --> 00:00:23,216
WILL LAUNCH ATOP AN ANTARES
ROCKET, BEGINNING ITS JOURNEY

8
00:00:23,296 --> 00:00:24,816
TO THE SPACE STATION
THIS WEEKEND.

9
00:00:25,606 --> 00:00:29,256
CYGNUS IS CARRYING OVER 7,500
POUNDS OF CREW SUPPLIES,

10
00:00:29,646 --> 00:00:31,666
STATION HARDWARE AND
SCIENTIFIC RESEARCH,

11

00:00:31,846 --> 00:00:34,316
INCLUDING A NEW 3D
PRINTER AND RECYCLER

12
00:00:34,316 --> 00:00:36,076
TO TURN WASTE PLASTIC MATERIALS

13
00:00:36,076 --> 00:00:40,036
INTO HIGH-QUALITY 3D PRINTER
FILAMENT.YOU CAN WATCH LIVE

14
00:00:40,036 --> 00:00:41,886
COVERAGE OF THE VEHICLE'S
LAUNCH, CAPTURE

15
00:00:41,886 --> 00:00:43,476
AND BERTHING UPON ITS ARRIVAL.

16
00:00:43,480 --> 00:00:47,180
FIND THE SCHEDULE AND WATCH
LIVE AT NASA.GOV/NASATV.

17
00:00:48,360 --> 00:00:50,960
CYGNUS ISN'T THE ONLY SPACECRAFT
THAT'S STATION BOUND -

18
00:00:51,346 --> 00:00:54,546
THE 71 PROGRESS RESUPPLY
CRAFT IS ALSO SCHEDULED

19
00:00:54,596 --> 00:00:57,466
FOR AN UPCOMING JOURNEY WITH
A DESTINATION OF THE STATION.

20
00:00:58,146 --> 00:00:59,986
THE RUSSIAN RESUPPLY
CRAFT WILL LAUNCH

21
00:00:59,986 --> 00:01:02,076
FROM THE BAIKONUR

COSMODROME IN KAZAKHSTAN

22
00:01:02,076 --> 00:01:03,636
ON FRIDAY, NOVEMBER 16.

23
00:01:04,256 --> 00:01:06,566
PROGRESS IS LOADED WITH
ALMOST 6,000 POUNDS

24
00:01:06,566 --> 00:01:08,036
OF FOOD, FUEL AND SUPPLIES.

25
00:01:08,666 --> 00:01:11,076
THE SPACECRAFT WILL ARRIVE
AT THE STATION TWO DAYS LATER

26
00:01:11,076 --> 00:01:13,176
ON NOVEMBER 18 AND REMAIN DOCKED

27
00:01:13,176 --> 00:01:16,416
FOR FOUR MONTHS BEFORE
DEPARTING IN MARCH 2019.

28
00:01:16,686 --> 00:01:19,056
YOU CAN FIND THE FULL SCHEDULE
AND WATCH PROGRESS LAUNCH

29
00:01:19,056 --> 00:01:21,936
AND DOCKING BY TUNING IN TO
LIVE COVERAGE ON OUR WEBSITE.

30
00:01:22,886 --> 00:01:24,286
THIS WEEK'S QUESTION
IS FROM KEITH,

31
00:01:24,476 --> 00:01:27,236
WHO ASKS IF THE SOYUZ
CREW CAPSULE HAS A MAXIMUM

32

00:01:27,236 --> 00:01:28,556
ON ORBIT LIFESPAN.

33
00:01:29,406 --> 00:01:31,626
UPON ARRIVAL TO THE
INTERNATIONAL SPACE STATION,

34
00:01:31,936 --> 00:01:34,196
THE RUSSIAN SOYUZ STAYS
DOCKED UNTIL IT'S TIME

35
00:01:34,196 --> 00:01:36,046
FOR THE CREW TO RETURN TO EARTH.

36
00:01:36,086 --> 00:01:38,626
THE CAPSULE HAS A 200
DAY ORBITAL LIFETIME,

37
00:01:38,936 --> 00:01:41,386
MEANING THE CREW MUST RETURN
HOME WITHIN THAT TIME FRAME.

38
00:01:41,936 --> 00:01:43,576
THE CURRENT CREW ABOARD
THE SPACE STATION -

39
00:01:43,826 --> 00:01:47,206
A TRIO CONSISTING OF AN AMERICAN
ASTRONAUT, EUROPEAN ASTRONAUT

40
00:01:47,206 --> 00:01:50,046
AND RUSSIAN COSMONAUT - ARE
SCHEDULED TO RETURN TO EARTH

41
00:01:50,046 --> 00:01:51,896
IN THEIR SOYUZ ON DECEMBER 19.