



SPACE TO GROUND

1

00:00:00,919 --> 00:00:05,520

Nicole: Welcome to Space To Ground,
your weekly look at what's happening on

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00:00:05,520 --> 00:00:09,280

board the International Space Station. I'm
Nicole Cloutier-Lemasters.

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00:00:09,280 --> 00:00:11,750

This week kicked off with a vehicle leaving
the station.

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00:00:11,750 --> 00:00:16,309

The Russian Progress 53 cargo ship undocked
for the final time on Monday. It delivered

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00:00:16,309 --> 00:00:20,779

about 2.9 tons of food, fuel and supplies
to the station back in November, and tested

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00:00:20,779 --> 00:00:25,119

some new automated docking equipment during
a maneuver in April. It burned up in the Earth's

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00:00:25,119 --> 00:00:27,820

atmosphere just a few hours after undocking.

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00:00:27,820 --> 00:00:31,820

The crew spent some time this week working
on checkouts of a new U.S. space suit onboard.

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00:00:31,820 --> 00:00:37,449

Alexander Gerst sized the new extravehicular
mobility unit known as EMU 3003 for

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00:00:37,449 --> 00:00:42,139

future use by station commander Steve Swanson.
The suit is undergoing its certification for

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00:00:42,139 --> 00:00:45,969

upcoming spacewalks out of the U.S. quest airlock planned for later this summer.

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00:00:45,969 --> 00:00:50,299

And, they say you reap what you sow. well, that applies in space too. We've told you

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00:00:50,299 --> 00:00:54,719

about the station's Veggie facility, a chamber used for plant growth in space. This week,

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00:00:54,719 --> 00:00:58,850

Steve Swanson harvested a crop of six red romaine lettuce plants that were grown from

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00:00:58,850 --> 00:01:03,109

seed in the chamber. Swanson packed the plants into the onboard freezer, and they will be

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00:01:03,109 --> 00:01:06,439

returned to Earth, so scientists can analyze the plants and determine if they will be a

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00:01:06,439 --> 00:01:09,479

viable food option for future missions.

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00:01:09,479 --> 00:01:13,479

In this week's twitter question, Kellan asks: What does space smell like?

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00:01:13,479 --> 00:01:17,810

Well, quite a few astronauts have commented on the subject and confirm, space definitely

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00:01:17,810 --> 00:01:19,700

has a distinct smell.

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00:01:19,700 --> 00:01:23,840

Many describe it as smelling like hot metal.

The astronauts can get a whiff right after

22
00:01:23,840 --> 00:01:28,509
a spacewalk when hydrocarbon molecules cling
to their spacesuits or right after a vehicle

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00:01:28,509 --> 00:01:30,070
docks to the station.