



SUSTAINABILITY BASE

1
00:00:07,649 --> 00:00:13,769

This Week at NASA...

The seven member STS-131 crew continues to

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00:00:13,769 --> 00:00:18,980

prep for its April mission to the International Space Station. Flying aboard the space shuttle

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00:00:18,980 --> 00:00:24,050

Discovery the crew will deliver about 13-thousand pounds of supplies to the station.

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00:00:24,050 --> 00:00:29,330

"This is a great crew. If I had to pick a crew, this would be the crew that I would

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00:00:29,330 --> 00:00:33,710

pick. I mean, without a doubt, they're just great folks and super skilled and very, very

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00:00:33,710 --> 00:00:36,620

professional and just a joy to work with every day.

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00:00:36,620 --> 00:00:44,150

STS-131 will mark the first time two astronauts from the Japan Aerospace Exploration Agency

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00:00:44,150 --> 00:00:50,960

are in space together. Mission Specialist Naoko Yamazaki and Expedition 23 Flight Engineer

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00:00:50,960 --> 00:01:00,189

Soichi Noguchi will meet up aboard the ISS. "This is a very big step for Japan. Of course,

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00:01:00,189 --> 00:01:08,180

for American astronauts, it is usual. However, for the Japanese astronaut, it is a first

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00:01:08,180 --> 00:01:16,790
time to get together in space, and Soichi
and I are scheduled to do several tasks together

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00:01:16,790 --> 00:01:23,370
like experimental rack transfer and installation
on the space station, so we are looking forward

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00:01:23,370 --> 00:01:29,170
to working with each other, and we are also
looking forward to sharing some Japanese cultures

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00:01:29,170 --> 00:01:37,900
among the crew members.”
NASA's Stratospheric Observatory for Infrared

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00:01:37,900 --> 00:01:43,470
Astronomy aircraft, SOFIA completed a two-week
series of “flight envelope expansion”

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00:01:43,470 --> 00:01:49,760
test flights. Flying with its telescope cavity
door open, the modified 747 was put through

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00:01:49,760 --> 00:01:55,280
a variety of maneuvers to gauge its handling
and identify potential problems with vibrations

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00:01:55,280 --> 00:02:01,229
and buffeting. NASA test pilots also flew
simulated landing approaches at 15,000 feet

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00:02:01,229 --> 00:02:07,180
altitude to evaluate aero-acoustic effects
of having the 16-foot-high telescope door

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00:02:07,180 --> 00:02:13,060
open while the aircraft is in landing configuration.
When its initial science missions begin later

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00:02:13,060 --> 00:02:18,969
this year, SOFIA will conduct world-class
astronomical observations in the infrared

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00:02:18,969 --> 00:02:21,859
while cruising at more than seven miles above
ground.

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00:02:21,859 --> 00:02:27,540
“I just want to thank you all for choosing
to recognize Brenda because she is a champion

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00:02:27,540 --> 00:02:31,730
and she has been incredibly helpful to me
in the brief period of time that I’ve been

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00:02:31,730 --> 00:02:37,450
the NASA Administrator so Brenda would you
come forward and I thank you for what you

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00:02:37,450 --> 00:02:40,160
do.”
Brenda Manuel, NASA Associate Administrator

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00:02:40,160 --> 00:02:45,370
for Diversity and Equal Opportunity, was honored
by the Society of Women Engineers as this

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00:02:45,370 --> 00:02:52,230
year’s recipient of the group’s President’s
Award. A lawyer by training, Manuel was recognized

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00:02:52,230 --> 00:02:57,189
for her longtime encouragement of women to
pursue careers in the STEM fields of science,

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00:02:57,189 --> 00:03:02,920
technology, engineering and mathematics.
“Creating and maintaining welcoming and

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00:03:02,920 --> 00:03:10,919
inclusive STEM environments in which equal opportunity can thrive is crucial to increasing

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00:03:10,919 --> 00:03:17,639
the number of women and minorities in the STEM pipeline, thereby expanding the available

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00:03:17,639 --> 00:03:21,239
talent pool.”
Manuel is responsible for developing and directing

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00:03:21,239 --> 00:03:26,730
the agency's equal opportunity, civil rights compliance, and diversity strategies, programs

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00:03:26,730 --> 00:03:31,819
and processes.

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00:03:31,819 --> 00:03:36,519
The final support beam for the Ames Research Center's new green building was installed

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00:03:36,519 --> 00:03:42,430
during a special “Topping Out” celebration. Traditionally an evergreen tree and/or a flag

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00:03:42,430 --> 00:03:47,609
is placed on the last beam lifted into place, signifying the structure's final height

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00:03:47,609 --> 00:03:54,390
and completion of its iron skeleton. When built, Sustainability Base will incorporate

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00:03:54,390 --> 00:03:59,059
new, energy-efficient technologies to make it one of the greenest and highest-performance

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00:03:59,059 --> 00:04:04,839

federal buildings in the country. It'll
be highly intelligent, even intuitive, anticipating

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00:04:04,839 --> 00:04:10,879

and reacting to changes in sunlight, temperature,
wind, and usage. Among the innovative features

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00:04:10,879 --> 00:04:15,959

will be a water recovery system developed
by Ames scientists that will reduce potable

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00:04:15,959 --> 00:04:24,120

water consumption by 90 per cent.
First the moon, now the stars.

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00:04:24,120 --> 00:04:29,780

Former moonwalker, Apollo astronaut Buzz Aldrin
has again captured the nation's attention

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00:04:29,780 --> 00:04:34,139

as a contestant on the ABC television series,
"Dancing with the Stars."

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00:04:34,139 --> 00:04:41,430

"My name is Buzz Aldrin and on July 20,
1969 I was one of the first men to walk on

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00:04:41,430 --> 00:04:44,370

the moon."
Aldrin was teamed with professional dancer,

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00:04:44,370 --> 00:04:52,539

Ashley Costa, a "Stars" veteran.
Aldrin was spurred on by NASA astronauts Jeff

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00:04:52,539 --> 00:04:57,569

Williams and T.J. Creamer in a surprise message
from the International Space Station.

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00:04:57,569 --> 00:05:05,169

“Buzz we know that you are an original moonwalker,
but can you still do this move.”

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00:05:05,169 --> 00:05:11,930

On June 20, 1969, Aldrin and Apollo 11 crewmate
Neil Armstrong became the first humans to

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00:05:11,930 --> 00:05:19,710

set foot on another heavenly body.

“Beautiful, Beautiful, isn’t that something.”