

СОЮЗ



1

00:00:00,279 --> 00:00:02,959

The space station's next crew heads to its launch site ...

2

00:00:02,959 --> 00:00:05,200

New cargo launches to the station ...

3

00:00:05,200 --> 00:00:09,730

And getting ready for a first-of-its-kind crew rotation mission ... a few of the stories

4

00:00:09,730 --> 00:00:13,820

to tell you about – This Week at NASA!

5

00:00:13,820 --> 00:00:19,540

On Sept. 27, the space station's Expedition 64 crew, including our Kate Rubins, participated

6

00:00:19,540 --> 00:00:24,640

in traditional prelaunch ceremonies in Star City, Russia then headed to the Baikonur Cosmodrome

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00:00:24,640 --> 00:00:27,060

in Kazakhstan to complete its training.

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00:00:27,060 --> 00:00:32,599

Rubins, and Russian cosmonauts Sergey Ryzhikov and Sergey Kud-Sverchkov are targeted to launch

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00:00:32,599 --> 00:00:35,440

to the station Oct. 14.

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00:00:35,440 --> 00:00:39,850

A Northrop Grumman Cygnus cargo spacecraft launched to the space station Oct. 2 from

11

00:00:39,850 --> 00:00:42,370

our Wallops Flight Facility in Virginia.

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00:00:42,370 --> 00:00:46,969
The Cygnus – loaded with nearly 8,000 pounds of research, crew supplies, and hardware – is

13
00:00:46,969 --> 00:00:52,550
named after late astronaut Kalpana Chawla, a member of the STS-107 crew that was lost

14
00:00:52,550 --> 00:00:55,699
in the space shuttle Columbia accident.

15
00:00:55,699 --> 00:01:01,559
On Sept. 29, we hosted a series of news conferences at our Johnson Space Center to preview NASA's

16
00:01:01,559 --> 00:01:03,069
SpaceX Crew-1 mission.

17
00:01:03,069 --> 00:01:06,960
It will be the first crew rotation mission to the International Space Station using a

18
00:01:06,960 --> 00:01:08,320
U.S. commercial spacecraft.

19
00:01:08,320 --> 00:01:11,220
“We’re excited about the opportunity to name our vehicle.

20
00:01:11,220 --> 00:01:16,259
However, rather than wait until we got on orbit we thought we would share that with

21
00:01:16,259 --> 00:01:17,530
you today.

22
00:01:17,530 --> 00:01:23,510
So without further ado, the Crew-1 Dragon capsule number 207 will henceforth be known

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00:01:23,510 --> 00:01:26,399

by the call sign, 'Resilience.'”

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00:01:26,399 --> 00:01:30,189

The mission is scheduled to launch from our Kennedy Space Center no earlier than Oct.

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00:01:30,189 --> 00:01:31,189

31.

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00:01:31,189 --> 00:01:36,820

NASA's Hubble Space Telescope captured the images seen in this time lapse of a star some

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00:01:36,820 --> 00:01:41,799

70 million light-years from us that, first – in a moment of brilliance – goes supernova,

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00:01:41,799 --> 00:01:44,299

then suddenly fades into oblivion.

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00:01:44,299 --> 00:01:49,740

Supernovae like these can help astronomers measure the expansion of the universe.

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00:01:49,740 --> 00:01:54,240

In light of the COVID-19 pandemic, the International Space Apps Challenge has gone all virtual

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00:01:54,240 --> 00:01:55,289

for 2020.

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00:01:55,289 --> 00:01:59,320

The theme of the Oct. 2-4 hackathon is, “Take Action.”

33

00:01:59,320 --> 00:02:03,929

Participants use NASA data to address real-world

problems on Earth and in space.

34
00:02:03,929 --> 00:02:08,160
Learn more, including about the winners of
the recently concluded Space Apps COVID-19

35
00:02:08,160 --> 00:02:11,860
Challenge at spaceappschallenge.org.

36
00:02:11,860 --> 00:02:17,520
The new Planet Patrol website lets citizen
scientists at home help NASA find exoplanets,

37
00:02:17,520 --> 00:02:22,989
or worlds beyond our solar system, by using
data from our planet-hunting Transiting Exoplanet

38
00:02:22,989 --> 00:02:25,180
Survey Satellite or TESS.

39
00:02:25,180 --> 00:02:29,810
Over the course of a year, TESS collects hundreds
of thousands of snapshots, each containing

40
00:02:29,810 --> 00:02:34,370
thousands of possible planets, too many for
astronomers to examine without help.

41
00:02:34,370 --> 00:02:36,620
That's what's up this week @NASA ...