

HOCKEY

OPEN

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STATUS

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1
00:00:00,070 --> 00:00:03,070
Hi I'm Zahrya at NASA's Kennedy Space Center

2
00:00:03,070 --> 00:00:04,990
and I'm taking you Inside KSC.

3
00:00:07,200 --> 00:00:10,780
A new shipment of cargo for the International
Space Station

4
00:00:10,789 --> 00:00:13,419
took flight aboard a SpaceX Falcon 9 rocket

5
00:00:13,419 --> 00:00:18,929
with a spectacular liftoff July 18 at 12:45
a.m. Eastern time.

6
00:00:18,929 --> 00:00:25,039
A few minutes after the launch of the SpaceX
CRS-9 mission, the rocket's spent first

7
00:00:25,039 --> 00:00:30,480
stage flew back to a successful landing. Meanwhile,
the company's Dragon spacecraft

8
00:00:30,480 --> 00:00:35,129
continued on its path, carrying almost 5,000
pounds of materials including several

9
00:00:35,129 --> 00:00:36,829
science payloads.

10
00:00:36,829 --> 00:00:43,199
One, the Biomolecule Sequencer, will test
a tiny device designed to monitor and identify

11
00:00:43,199 --> 00:00:47,789
microbes on spacecraft by sequencing the germs
DNA.

12

00:00:47,789 --> 00:00:52,539

OsteoOmics will help scientists study the mechanisms of bone loss both on Earth

13

00:00:52,539 --> 00:00:54,149

and in space

14

00:00:54,149 --> 00:00:59,840

while the Heart Cells investigation studies how microgravity changes the human heart.

15

00:00:59,840 --> 00:01:05,619

Looking to the future, the Phase-change Heat Exchanger flying on CRS-9 could help

16

00:01:05,619 --> 00:01:09,130

stabilize future spacecraft against extreme temperatures in space

17

00:01:09,130 --> 00:01:14,880

and the International Docking Adapter will allow visits from a variety of future vehicles,

18

00:01:14,880 --> 00:01:20,860

including Boeing's CST-100 Starliner and SpaceX's Crew Dragon spacecraft,

19

00:01:20,860 --> 00:01:25,560

which will return astronauts to low-Earth orbit in partnership with NASA.