



OPTICAL DATA RATES DURING
DOWNLINK ARE EXPECTED UP TO
100 MEGABITS PER SECOND

OPTICAL DATA RATES DURING
DOWNLINK ARE EXPECTED UP TO
200 MEGABITS PER SECOND

1
00:00:00,000 --> 00:00:06,300
(Music)

2
00:00:06,300 --> 00:00:10,000
What next-gen capabilities is NASA testing

3
00:00:10,000 --> 00:00:16,100
in its cube satellite technology?

4
00:00:18,000 --> 00:00:36,000
(Music)

5
00:00:36,000 --> 00:00:44,000
After undocking, a resupply ship will maneuver above

6
00:00:44,000 --> 00:00:52,500
the Space Station and deploy the cube satellites.

7
00:00:52,500 --> 00:00:56,750
(Music)

8
00:00:56,750 --> 00:01:10,000
The cubesats detumble and stabilize themselves.

9
00:01:11,300 --> 00:01:17,000
Optical data rates during downlink are expected

10
00:01:17,000 --> 00:01:23,000
up to 200 megabits per second.

11
00:01:24,800 --> 00:01:30,000
The cubesats will maneuver in close proximity

12
00:01:30,000 --> 00:01:35,000
using variable drag and propulsion.

13
00:01:38,500 --> 00:01:44,000

The cubesats' ability to move around one another

14

00:01:44,000 --> 00:01:49,000

at 200 meter distances will be demonstrated.

15

00:01:51,000 --> 00:01:57,000

High-speed data transmission and close proximity