



# EARTH

\* the only planet we know of with life

1

00:00:03,800 --> 00:00:07,150

NASA relies on an amazing array of technology to see what we've never seen before

2

00:00:07,920 --> 00:00:11,390

We've come a long way since the days of our first Earth-observing satellites

3

00:00:11,410 --> 00:00:13,630

Tiros

4

00:00:13,650 --> 00:00:15,600

Nimbus

5

00:00:15,620 --> 00:00:17,350

NASA continues to make exciting discoveries about the cosmos

6

00:00:17,360 --> 00:00:20,220

But one planet still harbors many unsolved questions

7

00:00:20,900 --> 00:00:22,120

Earth

8

00:00:22,140 --> 00:00:25,100

\*the only planet we know of with life

9

00:00:26,020 --> 00:00:29,320

Technology and human ingenuity help NASA increase our understanding of our home planet

10

00:00:29,320 --> 00:00:30,980

improve lives and safeguard our future

11

00:00:31,000 --> 00:00:32,900

Here's what we've been up to

12

00:00:32,920 --> 00:00:37,150

Fluid Lensing: drones use special cameras to image coral reefs underneath the ocean's surface

13

00:00:44,580 --> 00:00:48,330

Worldview: near real-time views of the planet Earth from space at your fingertips

14

00:00:52,050 --> 00:00:55,730

Virtual Reality: NASA data and GIS simulate walking through an active hurricane

15

00:00:57,110 --> 00:01:01,800

Globe Observer Mosquito Mapper: real-time tracking of mosquito-borne disease to help stop spreading illness

16

00:01:01,820 --> 00:01:08,620

CubeSats: the next generation of tiny satellite technology

17

00:01:08,640 --> 00:01:14,680

Advanced Rapid Imaging and Analysis: GPS and SAR data aid first responders after earthquakes,

18

00:01:14,680 --> 00:01:17,360

floods, landslides and more

19

00:01:17,370 --> 00:01:21,090

Fire Information for Resource Management System: near real-time fire data

20

00:01:21,090 --> 00:01:22,610

assists firefighters in the field and locates at-risk areas

21

00:01:22,610 --> 00:01:26,730

ICESat-2: 10,000 laser pulses via satellite measure the height of Earth's surfaces