



1

00:00:00,900 --> 00:00:03,400

We now know of another planetary system

2

00:00:03,400 --> 00:00:06,100

with as many planets as our own.

3

00:00:07,700 --> 00:00:10,700

The discovery is an eighth planet orbiting

4

00:00:10,700 --> 00:00:13,600

a distant sun-like star called Kepler-90.

5

00:00:16,100 --> 00:00:18,500

All of the planets in the Kepler-90 system

6

00:00:18,500 --> 00:00:21,400

are closer to their star than the Earth is to the sun.

7

00:00:24,200 --> 00:00:27,500

Called Kepler-90i, the planet's surface is 800°F,

8

00:00:27,500 --> 00:00:29,900

making it unlikely that life as we know it could exist there.

9

00:00:31,400 --> 00:00:34,900

Researchers discovered the planet using data

10

00:00:34,900 --> 00:00:38,300

from NASA's Kepler space telescope.

11

00:00:40,200 --> 00:00:43,500

Kepler measures the drop in brightness of stars

12

00:00:43,500 --> 00:00:46,600

as planets orbit in front of them.

13

00:00:48,700 --> 00:00:53,300

To find Kepler-90i, researchers trained computers

14

00:00:53,300 --> 00:00:57,700

to learn how to spot the faint signals of small planets.