



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.