



Illustration

1
00:00:00,000 --> 00:00:04,000
NASA's TESS found a second Earth-

2
00:00:04,000 --> 00:00:08,000
size world in the habitable zone of the TOI 700 system.

3
00:00:08,000 --> 00:00:12,000
This planet,

4
00:00:12,000 --> 00:00:16,000
called TOI 700 e, is likely rocky and orbits

5
00:00:16,000 --> 00:00:20,000
closer to the star than its sibling TOI 700 d,

6
00:00:20,000 --> 00:00:24,000
another Earth-size planet. Planet e

7
00:00:24,000 --> 00:00:28,000
orbits within the star's optimistic habitable zone – these are

8
00:00:28,000 --> 00:00:32,000
where liquid water could exist under the right conditions.

9
00:00:32,000 --> 00:00:36,000
Planet d is in the conservative zone, where it is

10
00:00:36,000 --> 00:00:40,000
more likely that both an Earth-like atmosphere and liquid water

11
00:00:40,000 --> 00:00:44,000
could exist.

12
00:00:44,000 --> 00:00:48,000
This discovery emerged from TESS's second survey of the southern sky.

13
00:00:48,000 --> 00:00:52,000

Scientists hope to find more of these exciting new