

HUBBLE JUST CAPTURED



A BRAND NEW IMAGE OF JUPITER

1
00:00:00,000 --> 00:00:04,296
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A BRAND NEW IMAGE OF JUPITER

2
00:00:04,296 --> 00:00:12,049
>> Jupiter is a giant ball of gas 11 times wider
than Earth and 300 times more massive.

3
00:00:12,049 --> 00:00:23,279
>> The planets iconic feature is a giant storm.
The Great Red Spot.

4
00:00:23,279 --> 00:00:34,129
>> Churning through the atmosphere with wind speeds of
over 300 MPH, this storm is wrapped in mystery.
Even its true age is a riddle.

5
00:00:34,129 --> 00:00:44,059
>> In the 1800s, astronomers observed and described
the Great Red Spot many times.
But no one knows when the storm began.

6
00:00:44,059 --> 00:00:55,209
>> As technology advanced, scientists Learned more
about the gas giant planet and its long-lived storm.

7
00:00:55,209 --> 00:01:07,019
>> Hubbles launch in 1990 gave
scientists clear views of Jupiter, year after year.
But they started to notice something strange happening.

8
00:01:07,019 --> 00:01:16,009
>> The storm has been getting smaller,
but its also been getting taller,
like clay squeezed on a potters wheel.

9
00:01:16,009 --> 00:01:26,260
>> As the Great Red Spot rises, it will
encounter stronger winds that could break it apart.
Astronomers have seen changes in the way
the storm interacts with its surroundings.

10

00:01:26,260 --> 00:01:39,180

>> In the past, material approaching the giant storm would be quickly torn apart.

Recently, observers witnessed reddish material circling the Great Red Spot before moving in or streaming by.

11

00:01:39,180 --> 00:01:48,180

>> We do not yet know the exact origin or ending of the Great Red Spot. But as we investigate, we learn how Jupiters atmosphere works.

12

00:01:48,180 --> 00:01:56,030

>> Which even helps us understand the weather systems of Earth.

13

00:01:56,030 --> 00:02:04,030

>> Could changes to the Great Red Spot signal the slow end of the ages-old storm? Only time will tell.