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00:00:00,000 --> 00:00:02,000
Music.

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00:00:02,000 --> 00:00:07,000
Jane Houston Jones: What's Up for October. Ceres, Vesta and two meteor showers.

3
00:00:07,000 --> 00:00:13,000
Hello and welcome. I'm Jane Houston Jones at NASA's Jet Propulsion Laboratory in Pasadena, California.

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00:00:13,000 --> 00:00:19,000
You can spot the two brightest objects in the asteroid belt this month and throughout autumn.

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00:00:19,000 --> 00:00:26,000
You'll find both Ceres and Vesta near Jupiter, among the stars of the constellations Taurus and Gemini.

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00:00:26,000 --> 00:00:32,000
Look to the eastern sky in the late evening this month. You can't miss Jupiter.

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00:00:32,000 --> 00:00:35,000
These two objects shine at a magnitude of 7 and 8,

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00:00:35,000 --> 00:00:40,000
making them challenging but rewarding objects to find in your telescope.

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00:00:40,000 --> 00:00:47,000
NASA's Dawn spacecraft completed its orbit of Vesta in August after over a year of investigation.

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00:00:47,000 --> 00:00:53,000
Now Dawn is on its way to Ceres and will arrive in February 2015.

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A third asteroid, Pallas, is also visible through telescopes in the southeastern sky this month.

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00:00:59,000 --> 00:01:03,000
Two meteor showers grace the October skies, too.

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00:01:03,000 --> 00:01:10,000

The Orionids will peak on the 21st. You'll see more just before midnight, after the moon sets.

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00:01:10,000 --> 00:01:15,000

The Taurid meteor shower, radiating from the constellation Taurus the bull,

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00:01:15,000 --> 00:01:20,000

doesn't peak until November 10 but is active beginning October 20.

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00:01:20,000 --> 00:01:25,000

You can tell the difference between the two showers, even though the constellations appear near each other.

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Taurids are slow, and you might see bright fireballs.

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00:01:29,000 --> 00:01:32,000

The Orionids are fast and mostly faint.

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To learn about Dawn and all of NASA's missions, visit [www dot NASA dot gov](http://www.nasa.gov).