<table>
<thead>
<tr>
<th>Hubblecast Episode 120: The Continued Discrepancy in the Universe’s Expansion Rate</th>
<th>Visual notes</th>
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</table>
| 00:00  
2. Intro | ![Intro Image] |
| 00:13  
3. The Universe might be **expanding even faster** than we previously thought. | ![Expansion Image] |
| 00:23  
4. Astronomers have measured Cepheid Variables — **stars that pulsate with a period related to their luminosity** — in the Large Magellanic Cloud… | ![Cepheid Image] |
5. ...to improve cosmic distance calibrations and to calculate **how fast the Universe is flying apart**.

6. But their results **don't quite match** measurements from the Cosmic Microwave Background – the afterglow of the Big Bang...

7. Repeated measurements suggest this discrepancy is not a fluke — making it an **exciting development in cosmology**.

8. New physics might be needed to explain the divergence — **possibly involving dark matter and dark energy**.

Ends 1:30