### Script for ESOcast 207 Light: Enigmatic Radio Burst Illuminates a Galaxy’s Tranquil Halo

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**Title: Enigmatic Radio Burst Illuminates a Galaxy’s Tranquil Halo**

1. ESO’s Very Large Telescope has clarified that a **fast radio burst** passed through a **galactic halo**.

2. A fast radio burst is a blast of **radio waves** that lasts **less than a millisecond**.

3. It was first detected by the **Australian Square Kilometre Array Pathfinder (ASKAP)**.

4. Quick follow-up observations with the VLT revealed the **precise path** of the radio waves.

5. They have passed through a **galactic halo**, the vast low-density gas that surrounds a galaxy.

6. Astronomers expected that the galactic halo would **distort** the radio waves...

7. …but the signal was **virtually unaltered** showing that this halo is **surprisingly tranquil**.

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| [Outro] | Observatory.  
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