

# Script for ESOcast 192 Light: GRAVITY Resolves a Gravitationally Microlensed Star

ESOcast 192 Light	
[Visual starts]	
New ESOcast intro	New ESOcast introduction
<b>Title: GRAVITY Resolves a Gravitationally Microlensed Star</b>	
1. The <b>GRAVITY</b> instrument on <b>ESO's Very Large Telescope Interferometer (VLTI)</b> has seen what seems an <b>impossible sight...</b>	
2. ...intricate details of <b>one star gravitationally microlensed by another</b> passing in front of it.	
2. When an <b>amateur astronomer</b> noticed an unremarkable star in the Milky Way <b>increasing in brightness...</b>	
3. ... <b>ESO's astronomers</b> were awarded a <b>special opportunity</b> to hurriedly observe it with the VLTI.	
4. They spotted the double, magnified images of the <b>gravitationally microlensed</b> background star...	
5. ...a sight that Albert Einstein predicted to be <b>almost impossible to observe.</b>	
6. Thanks to decades of <b>developing advanced instruments...</b>  ...it is now possible to <b>observe the minuscule effects of stellar microlensing.</b>	

<p>8. With this method, ESO's <b>VLT</b> may <b>uncover hidden and dark objects</b> lurking in our galaxy — like <b>rogue exoplanets and black holes</b>.</p>	
<p><b>00:00</b> <b>[Outro]</b></p>	<p><i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i></p>