

# Script for ESOcast Light 242: A Neighbouring Planetary System Reveals its Secrets

ESOcast Light 242	
[Visual starts]	
New ESOcast intro	New ESOcast introduction
<b>Title: A Neighbouring Planetary System Reveals its Secrets</b>	
1. Using ESO's VLT to peer at a <b>nearby system of exoplanets</b> , astronomers have made <b>startling new discoveries</b> .	
2. The planets orbit a star just <b>35 light-years</b> away. Some of them <b>resemble</b> those in our <b>inner</b> Solar System.	
3. The planet closest to the star was found to have <b>half the mass</b> of Venus – making it the <b>lightest planet</b> measured with the <b>radial velocity technique</b> .	
4. The third planet could be a “water world”, with <b>water</b> making up to <b>30% of its mass</b> .	
5. The team also found hints of another <b>terrestrial planet</b> , one in the <b>habitable zone</b> . It could even have <b>liquid water</b> at its surface – just like Earth.	
6. This system may have even <b>more fascinating secrets</b> to reveal. Stay tuned!	
[Outro]	<i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i>
	Also interesting: <a href="https://www.youtube.com/watch?v=JcoYA3HmuN8">https://www.youtube.com/watch?v=JcoYA3HmuN8</a> and <a href="https://www.youtube.com/watch?v=EcXP0XHV56I">https://www.youtube.com/watch?v=EcXP0XHV56I</a>

