## Script for ESOcast 184 Light: Super-Earth Orbiting Barnard's Star

ESOcast Light 184	
[Visual starts]	
New ESOcast intro	New ESOcast introduction
Title: Super-Earth Orbiting Barnard's Star	
1. Astronomers have discovered compelling evidence for another exoplanet in our close neighbourhood	
2using <b>ESO's planet-hunting instrument HARPS</b> and other facilities around the world.	
3. Our new neighbour is a little over 3 times the mass of the Earth	
4and is a freezing, shadowy world.	
5. The host star's weak light means the planet's surface is an <b>intensely cold –170°C</b> .	
6. It orbits Barnard's Star, a cool, low-mass red dwarf only 6 light-years away, and the closest single star to our Sun.	
7. The motion of Barnard's star gave the planet away.	
The star turns in tiny circles due to the orbiting planet's gravitational pull	
8causing the colour of starlight to change due to the Doppler effect.	
[Outro]	Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.