Script for ESOcast 147 Light: First Light for Planet Hunter ExTrA

ESOcast Light 147	
[Visual starts] **New ESOcast intro**	New ESOcast introduction Incl ESO logo
Title: First Light for Planet Hunter ExTrA	
1. Planet-hunting astronomers have a new and powerful tool to **search for potentially habitable worlds**.	
2. ExTrA, just installed at ESO's La Silla Observatory, uses three 0.6-m telescopes to look for **tiny dips in the brightness** of nearby red dwarf stars...	
3. ...caused by **Earth-sized planets** passing in front of their host stars.	Use TRAPPIST-1 video
4. **ExTrA focuses on red dwarfs** because a transiting planet blocks out a relatively large proportion of light from such a small star.	
4. Red dwarfs are common in the Milky Way and are **expected to host many Earth-sized planets**.	General planet stuff - with red dwarfs
5. The novel design of ExTrA, together with the excellent conditions at La Silla, make it **more sensitive than previous surveys**.	
6. The atmospheres of planets found by ExTrA will be studied with the ELT — and **may reveal the first signs of life beyond Earth**!	
00:00	*Produced by ESO, the European Southern*

[Outro]	*Observatory.* *Reaching new heights in Astronomy.*