Script for ESOcast Light, ESOcast 91: VLT to Search for Planets around Alpha Centauri

ESOcast Light 91: VLT to Search for Planets around Alpha Centauri	
[Visual starts] **New ESOcast intro**	New ESOcast introduction Incl ESO logo
Title: **VLT to Search for Planets around Alpha Centauri**	
ESO and Breakthrough Initiatives have agreed **to upgrade an instrument on ESO's Very Large Telescope**.	ESO VLT timelapses
Here are **five reasons** why this agreement could be a milestone for humanity's dream of interstellar travel:	VLT
1. The Alpha Centauri system consists of three stars orbiting each other — **the closest star system to the Earth**, just 4 light-years away.	Alpha Centauri animations
2. Astronomers using an ESO telescope recently found a planet around one of the stars in the system, Proxima Centauri. **The closest possible abode for life outside our Solar System.** #PaleRedDot anyone?	HARPS footage? We only have a boring still image here. 3.6m timelapse instead? Proxima b
3. But no telescope today **has actually *seen* any planets directly in the Alpha Centauri system** — the stars are too bright and the planets drown in their glare.	Alpha Cen
4. But the upgraded Very Large Telescope could be powerful enough to spot a planet around Alpha Centauri! **Hashtag: Life Goals**	VLT footage

5. Breakthrough Initiatives aims to **launch ultra-fast, light-driven "nanocrafts"** to the system within a generation. Interstellar Travel, check!	Nanocrafts Proxima b
00:00 **[Outro]**	*Produced by ESO,* *The European Southern Observatory.* *Reaching new heights in astronomy*