Script for ESOcast Light 248: Watch Stars Move Around our Galaxy's Central Black Hole

ESOcast Light 248	
[Visual starts] **New ESOcast intro**	New ESOcast introduction
Title: Watch Stars Move Around our Galaxy's Central Black Hole	
1. ESO's Very Large Telescope Interferometer has obtained the **deepest and sharpest images** yet of the region around the Milky Way's **supermassive black hole — Sgr A***.	
2. The images zoom in **20 times more** than was possible before… ...helping astronomers find a **new star** close to the black hole: **S300**.	
3. They have also observed **S29**, the **closest-approach** record-holder, passing the black hole at a speed **of 8740 km per second**!	
4. The observations enabled scientists to make the **most precise measurement** of the black hole's mass to date.	
5. The team hopes to reveal **fainter stars even closer** to the black hole... ...allowing them to **measure** how fast it spins **for the first time**.	
[Outro]	*Produced by ESO, the European Southern Observatory.* *Reaching new heights in Astronomy.*
	Also interesting:

	https://www.eso.org/public/videos/eso2006a/ and https://www.eso.org/public/videos/eso1825a/