

Script for ESOcast Light 123: Best Ever Image of a Star's Surface and Atmosphere

ESOcast Light 123: Best Ever Image of a Star's Surface and Atmosphere	
[Visual starts] New ESOcast intro	New ESOcast introduction Incl ESO logo
Title: Best Ever Image of a Star's Surface and Atmosphere	
1. ESO's Very Large Telescope Interferometer and the AMBER instrument ...	Footage of the VLTi tunnels/AMBER
2. ...have made the best ever image of the surface of a star — the huge red supergiant star Antares.	Zooming in
3. They also measured how different bits of the star are moving — the first time this has been done for any star (except the Sun, which is much easier!)	The new map (real data)
4. This revealed turbulent gas in parts of Antares's extended atmosphere that couldn't be explained by current theories.	Artist's impression?
5. So astronomers say we need a new explanation for the turbulent gas in the atmospheres of red supergiants.	
00:00 [Outro]	<i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i>