

Script for ESOcast Light 257: Heaviest Element yet Detected in an Exoplanet Atmosphere

ESOcast Light 257	
[Visual starts]	
New ESOcast intro	New ESOcast introduction
Title: Heaviest Element yet Detected in an Exoplanet Atmosphere	
1. Using ESO's Very Large Telescope, barium has been detected in the atmosphere of two exoplanets.	
2. This element was found in two ultra-hot gas giants, WASP-76 b and WASP-121 b. It is 2.5 times heavier than iron and the heaviest element yet detected in an exoplanet.	
3. <i>"We were not expecting or looking for barium in particular since it had never been seen in any exoplanet before."</i> Tomás Azevedo Silva, IA UPorto, Portugal	
4. In our sky barium is present in brilliant green fireworks, but it is a mystery how it naturally ends up high in these exoplanets' atmospheres.	
[Outro]	<i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i>
	Also interesting: https://www.youtube.com/watch?v=EcXP0XHV56I and

	https://www.youtube.com/watch?v=EmsYCbYu-LA
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