

Script for ESOcast Light 145: First ELT Main Mirror Segments Successfully Cast

ESOcast Light 145: First ELT Main Mirror Segments Successfully Cast	
[Visual starts] New ESOcast intro	New ESOcast introduction Incl ESO logo
Title: First ELT Main Mirror Segments Successfully Cast	
1. ESO's Extremely Large Telescope will be the largest optical telescope ever built – the “world's biggest eye on the sky”.	General video of ELT
2. Its main mirror will be 39 metres across and consist of 798 hexagonal segments , each measuring 1.4 metres across and 5 cm thick.	Video showing mirror segments
3. The first six segments have just been successfully cast by the German company, SCHOTT.	Footage from SCHOTT showing casting (this bit should be quite long as it is the heart of the story)
4. When shaped, polished and mounted in the telescope the segments will work together as a single huge mirror .	ELT in action
5. The completed ELT will collect more light than all current optical research telescopes combined .	Telescope comparisons still?
[Outro]	<i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i>